SDS Report

No.1001

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (black)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (black)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: Writing

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS07


GHS09

Acute Tox.4 H302 Harmful if swallowed.

Aquatic Chronic 3. H412 Harmful to aquatic life with long lasting effects

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.

Hazardpictograms GHS07 GHS09

Signal word Warning

Hazard statements

H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*23,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*11,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; e Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:72928-60-0 *EC:277-086-3*	*Trihydrogen[29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-), compound with N,N'-di(o-tolyl)guanidine (1:3)* *Acute Tox. 4. H302; Eye Dam. 1 .H318;*	*10,0%*
CAS:587-98-4 *EC: 209-608-2*	*C.I.Acid yellow 36* *Eye Dam.1 .318; Aquatic Chronic 2.H411*	*6,0%*
CAS: 52080-58-7 *EC: 610-776-8*	*[4-[4,4'-Bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]methylimine* *Acute Tox. 4. H302; Eye Irrit. 2. H319;*	*6,0%*

4 First aid measures

Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:

Most important symptoms and effects ,both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• *Information on basic physical and chemical properties*	
• *General Information*	
• *Appearance:*	
Form:	*Gel*
Colour:	*Black*
• *Odour:*	*Odourless*
• *Odour threshold:*	*Data not available.*
•*pH- value*	*6~10*
• *Flash point:*	*100.6°C.*
• *Flammability (solid , gaseous):*	*Not applicable.*
• *ignition temperature:*	*436.1°C.(Benzoyl alcohol)*
• *Decomposition temperature:*	*Data not available.*
• *igniting:*	*Product is not selfigniting.*
• *Danger of explosion:*	*Product does not present an explosion hazard.*
• *Explosion limits*	
Lower:	*Data not available.*
Upper:	*Data not available.*
• *Oxidizing properties:*	*Data not available.*
• *Vapour pressure:*	*13.3 mm Hg (100 °C)*
• *Density:*	*1.1 g/cm^3 (lit.)*
• *Relative density:*	*Data not available.*
• *Vapour density:*	*Data not available.*
• *Evaporation rate:*	*Data not available.*
• *Solubility in|Miscibility with*	
water:	*Data not available.*
• *Partition coefficient (n-octanol/water): Data not available.*	
• *Viscosity:*	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• *Other information*	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes.

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• *LD/LC50 values relevant for classification:*		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6 propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.*	
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 2(Self-assessment): hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1003

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (red)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (red)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: Writing

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS07


GHS09

Acute Tox .4 H302 Harmful if swallowed

Eye Irrit. 2 H318 Causes serious eye damage.

Aquatic Chronic 3. H412 harmful to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 ***GHS09***
Signal word warning

Hazard statements

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*33,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*11,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; e Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:587-98-4 *EC: 209-608-2*	*C.I.Acid yellow 36* *Eye Dam.1 .318; Aquatic Chronic 2.H411*	*6,0%*
CAS: 81-88-9 *EC: 201-383-9*	*Basic violet 10* *Eye Dam. 1.H318; Aquatic Chronic 3.H412*	*3,0%*
CAS: 12217-50-4 *EC: 601-885-1*	*Basic yellow 13* *Aquatic Chronic 3. H412*	*3,0%*

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*Red*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)(Benzoyl alcohol)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes.

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.*	
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 2(Self-assessment): hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1004

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (rose red)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (rose red)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: Writing

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS07


GHS09

Acute Tox .4 H302 Harmful if swallowed

Eye Irrit. 2 H318 Causes serious eye damage.

Aquatic Chronic 3.H412 harmful to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 GHS09
Signal word warning

Hazard statements

H302 Harmful if swallowed
H318Causes serious eye damage
H412 harmful to aquatic life with long lasting effects.

• Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

• Additional information:
• Other hazards Not applicable.
• Results of PBT and vPvB assessment
• PBT: Not applicable.

•vPvB: Not applicable.

3: Composition/information on ingredients

• **Chemical characterization: Mixtures**
• **Description:**
Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*36,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; e Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:587-98-4 *EC: 209-608-2*	*C.I.Acid yellow 36* *Eye Dam.1 .318; Aquatic Chronic 2.H411*	*8,0%*
CAS: 81-88-9 *EC: 201-383-9*	*Basic violet 10* *Eye Dam. 1.H318; Aquatic Chronic 3.H412*	*3,0%*

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	*nicht festgelegt*
122-99-6 2-Phenoxyethanol	
MAK (Germany)	*20 ml/m³, ppm*
57-55-6 propane-1,2-diol	
MAK (Germany)	*nicht festgelegt*
102-71-6 2，2'，2''-nitrilotriethanol	
MAK (Germany)	*5E mg/m³*

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*Rose red*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes.

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*	*Not applicable.*
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	*nicht festgelegt*
122-99-6 2-Phenoxyethanol	
MAK (Germany)	*20 ml/m³, ppm*
57-55-6 propane-1,2-diol	
MAK (Germany)	*nicht festgelegt*
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	*5E mg/m³*

• ***National regulations:*** • *Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.*
• ***Other regulations, limitations and prohibitive regulations***
• *SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/01/2024)* *None of the ingredients is listed.*
• *REACH Regulation Annex XVII Restriction (17/01/2024)* *None of the ingredients is listed.*
• *REACH Regulation Annex XIV Authorization List (17/01/2024)* *None of the ingredients is listed.*
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1005

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (yellow)
End Uses : Writing
Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (yellow)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: *Writing*

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS07

GHS09

Tox.4 H302 Harmful if swallowed.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3. H412 harmful to aquatic life with long lasting effects

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 GHS09
Signal word warning

Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H412 harmful to aquatic life with long lasting effects

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.

•vPvB: Not applicable.

3: Composition/information on ingredients

• **Chemical characterization: Mixtures**
• **Description:**
Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*42,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; e Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2''-nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS: 85029-58-9 *EC: 285-083-3*	*solvent yellow 82* *Skin Sens.1 H317 Aquatic Chronic 2.H411*	*5,0%*

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2,2',2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*yellow*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes.

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.*	
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1010

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (grass green)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (grass green)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: Writting

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS07

GHS09

Acute Tox. 4，H302;Harmful if swallowed.

Eye Irrit. 2.H319;Causes serious eye irritation.

Aquatic Chronic 3. H412；harmful to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 ***GHS09***
Signal word warning

Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3: Composition/information on ingredients

• **Chemical characterization: Mixtures**
• **Description:**
Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

• **Components:**		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *s no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*32,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; e Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:72928-60-0 *EINECS:277-086-3*	*Trihydrogen[29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-), compound with N,N'-di(o-tolyl)guanidine (1:3)* *Acute Tox. 4. H302; Eye Dam. 1 ,H318 ;*	9,0%
CAS: 2390-60-5 *EC: 219-232-0*	*Basic blue 7* *Acute Tox. 3 .H301; Eye Irrit. 2. H319;* *Aquatic Acute 1 .H400;*	5,0%
CAS: 12217-50-4 *EC: 601-885-1*	*Basic yellow 13* *Aquatic Chronic 3. H412*	1,0%

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*Grass green*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)(Benzoyl alcohol)*
• Density:	*1.1 g/cm^3 (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C) by NDJ-79 viscometer*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes..

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11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
25038-59-9 Polyethylene terephthalate		
Oral	*LD50*	*>5000 mg/kg (rat)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*	*Not applicable.*
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1006

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name	:	Ball pen ink (orange)
End Uses	:	Writing
Composition/Ingredient	:	See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (orange)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: *Writing*

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS07

GHS09

Acute Tox .4 H302 Harmful if swallowed

Eye Irrit. 2 H319 May cause serious eye irritation.

Germ cell .2 H341 uspected of causing genetic defects.

Aquatic tox.1 H410 Very toxic to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 *GHS09*
Signal word warning

Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment

• PBT: Not applicable.
•vPvB: Not applicable.

3: Composition/information on ingredients

• **Chemical characterization: Mixtures**
• **Description:**
Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*39,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:495-54-5 *EC:207-803-7*	*C.I.solvent orange 3* *Acute Tox. 4 , H302; skin Irrit.2,H315; rn cell .2,H341;* *Aquati c tox.1, H410*	8,0%

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

Information about fire - and explosion protection: Normal measures for preventive fire protection.

Conditions for safe storage，including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store a way from foodstuff's.

Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*orange*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)(Benzoyl alcohol)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6 propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-6 2 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*	*Not applicable.*
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H341 Suspected of causing genetic defects.
H410 Very toxic to aquatic life with long lasting effects.

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1008

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (violet)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (violet)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: *Writing*

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS07

GHS09

Acute Tox. 3 .H301 Toxic if swallowed.

Eye Dam. 1.H318 Causes serious eye damage.

Aquatic Chronic 3. H412 harmful to aquatic life with long lasting effects.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.
Hazard pictograms GHS07 ***GHS09***
Signal word warning

Hazard statements

H301 Toxic if swallowed.
H318 Causes serious eye damage.
H412 harmful to aquatic life with long lasting effects.

• Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international

regulations.

- Additional information:
- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*40,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2''-nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS: 2390-60-5 *EC: 219-232-0*	*Basic blue 7* *Acute Tox. 3 .H301; Eye Irrit. 2. H319;* *Aquatic Acute 1 .H400;*	*2,0%*
CAS: 81-88-9 *EC: 201-383-9*	*Basic violet 10* *Eye Dam. 1.H318; Aquatic Chronic 3.H412*	*5,0%*

4 First aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:
Most important symptoms and effects ,both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*Violet*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C)*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes.

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11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*	*Not applicable.*
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H400very toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects.

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Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

SDS Report

No.1009

Date: Feb.02.2024

Fengcheng Sanyou Pen Making Science and Technology limited company

Yuandu Town Fengcheng City Jiangxi Province

Trade Name : Ball pen ink (lake blue)

End Uses : Writing

Composition/Ingredient : See Section 3 Composition/information on ingredients on the SDS report

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives,Regulation (EC) No 1907/2006， Regulation (EC) No 1272/2008, and is provided per attached.

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1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Ball pen ink (lake blue)

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/the mixture: *Writing*

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Fengcheng Sanyou Pen Making Science and Technology limited company
Yuandu Town Fengcheng City Jiangxi Province
Tel: 13979199077
E-mail: littlesan@163.com

Further information obtainable from:

Fengcheng Sanyou Pen Making Science and Technology limited company

Emergency telephone number:

Hu Yonghui
Tel: 13979199077

*2 :*Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS07

Acute Tox.4 H302 Harmful if swallowed.

Eye Irrit. 2 H319 Causes serious eye irritation.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to Regulation (EC) No 1272/2008.

Hazard pictograms GHS07

Signal word warning

Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

• Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

• Additional information:

- Other hazards Not applicable.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Mixture: consisting of the following components.
For the wording of the listed risk phrases refer to section 16.

Components:		
CAS: 100-51-6 *EC: 202-859-9*	*Benzyl alcohol* *Acute Tox. 4 , H302; Acute Tox. 4 , H332*	*15,0%*
CAS: 122-99-6 *EC: 204-589-7*	*2-Phenoxyethanol* *Acute Tox. 4 , H302; Eye Irrit. 2 , H319;*	*15,0%*
CAS: 57-55-6 *EC: 200-338-0*	*propane-1 , 2-diol* *no hazards have been classified.*	*9,0%*
CAS: 25054-06-2 *EC: 607-515-5*	*Formaldehyde, polymer with cyclohexanone* *no hazards have been classified.*	*34,0%*
CAS:24969-06-0 *EC: 607-468-0*	*Epoxy resin* *no hazards have been classified.*	*9,0%*
CAS:9003-39-8 *EC: 618-363-4*	*Polyvinylpyrrolidone (PVP)* *no hazards have been classified.*	*1,0%*
CAS: 112-80-1 *EC: 204-007-1*	*oleic acid Elainic acid cis-9-Octadecenoic acid* *Skin Irrit. 2.H315; Eye Irrit. 2 , H319;*	*1,0%*
CAS: 102-71-6 *EC: 203-049-8*	*2,2',2'' -nitrilotriethanol tris(Hydroxyethyl)amine* *no hazards have been classified.*	*3,0%*
CAS:72928-60-0 *EINECS:277-086-3*	*Trihydrogen[29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-), compound with N,N'-di(o-tolyl)guanidine (1:3)* *Acute Tox. 4. H302; Eye Dam. 1 ,H318 ;*	13,0%

4 First aid measures

Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Call for a doctor immediately.

Information for doctor:

Most important symptoms and effects ,both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

Personal precautions，protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Reference to other sections
See Section 7for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling
Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Information about fire - and explosion protection: Normal measures for preventive fire protection.
Conditions for safe storage，including any incompatibilities
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store a way from foodstuff's.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2，2'，2"-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

DNELs: Data not available.
PNECs: Data not available.
Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3，the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	*Gel*
Colour:	*Lake blue*
• Odour:	*Odourless*
• Odour threshold:	*Data not available.*
•pH- value	*6~10*
• Flash point:	*Data not available.*
• Flammability (solid , gaseous):	*Not applicable.*
• Auto-ignition temperature:	*Data not available.*
• Decomposition temperature:	*Data not available.*
• Self-igniting:	*Product is not selfigniting.*
• Danger of explosion:	*Product does not present an explosion hazard.*
• Explosion limits	
Lower:	*Data not available.*
Upper:	*Data not available.*
• Oxidizing properties:	*Data not available.*
• Vapour pressure:	*13.3 mm Hg (100 °C)(Benzoyl alcohol)*
• Density:	*1.1 g/cm³ (lit.)*
• Relative density:	*Data not available.*
• Vapour density:	*Data not available.*
• Evaporation rate:	*Data not available.*
• Solubility in\Miscibility with	
water:	*Data not available.*
• Partition coefficient (n-octanol/water): Data not available.	
• Viscosity:	
Dynamic:	*5000mpa.s±1000(25 °C) by NDJ-79 viscometer*
Kinematic:	*Data not available.*
• Other information	*Data not available.*

10 Stability and reactivity

Reactivity No decomposition if used according to specifications.
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen ,acid smoke and fumes..

11 Toxicological information

• Information on toxicological effects
• Acute toxicity

• LD/LC50 values relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	*LD50*	*1230 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*
122-99-6 2-Phenoxyethanol		
Oral	*LD50*	*1260 mg/kg (rat)*
Dermal	*LD50*	*5000 mg/kg (rabbit)*
57-55-6propane-1 , 2-diol		
Oral	*LD50*	*20000 mg/kg (rat)*
Dermal	*LD50*	*20800 mg/kg (rabbit)*
25038-59-9 Polyethylene terephthalate		
Oral	*LD50*	*>5000 mg/kg (rat)*
9003-39-8 Polyvinylpyrrolidone (PVP)		
Oral	*LD50*	*>40000 mg/kg (mouse)* *100000 mg/kg (rat)*
112-80-1 oleic acid ,pure		
Oral	*LD50*	*28000 mg/kg (mouse)* *74000 mg/kg (rabbit)*
102-71-62 ,2"-nitrilotriethanol		
Oral	*LD50*	*5846 mg/kg (mouse)* *2200 mg/kg (rabbit)*
Dermal	*LD50*	*>22500 mg/kg (rabbit)*

Primary irritant effect
on the skin: Irritating effect.
on the eye: Irritating effect.
Sensitization: Sensitization possible.
Toxicokinetics , metabolism and distribution: No further relevant information available.
Acute effects (acute toxicity^ irritation and corrosivity): No further relevant information available.
Repeated dose toxicity: No further relevant information available.
CMR effects (carcinogenity , mutagenicity and toxicity for reproduction):
No further relevant information available.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems
Bioacc umulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations

14 Transport information

• *UN-Number* *ADR , IMDG , IATA*	*Not applicable.*
• *UN proper shipping name* *ADR , IMDG , IATA*	*Not applicable.*
• *Transport hazard class(es)* • *ADR , IMDG, IATA* • *Class*	*Not applicable.*
• *Packing group* • *ADR , IMDG, IATA* • *Marine pollutant:*	*Not applicable.*
• *Special precautions for user*	*Not applicable.*
• *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*	*Not applicable.*
• *UN "ModelRegulation":*	-

15 Regulatory information

Safety , health and environmental regulations/legislation specific for the substance or mixture
MAK(German Maximum Workplace Concentration)

Ingredients with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	
MAK (Germany)	nicht festgelegt
122-99-6 2-Phenoxyethanol	
MAK (Germany)	20 ml/m^3, ppm
57-55-6 propane-1,2-diol	
MAK (Germany)	nicht festgelegt
102-71-6 2 , 2 ' , 2 "-nitrilotriethanol	
MAK (Germany)	5E mg/m^3

•**National regulations:** •Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
• **Other regulations, limitations and prohibitive regulations**
• SVHC Candidate List of REACH Regulation Annex XIV Authorisation *(17/01/2024)* None of the ingredients is listed.
• REACH Regulation Annex XVII Restriction*(17/01/202)* None of the ingredients is listed.
• REACH Regulation Annex XIV Authorization List *(17/01/2024)* None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

****

Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association ICAO:
International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived
No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration，50 percent
LD50: Lethal dose， 50 percent
Acute Tox. 3: Acute toxicity，Hazard Category 3
Acute Tox. 4: Acute toxicity，Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation，Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation，Hazard Category 2
Skin Sens. 1: Sensitisation - Skin，Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard，Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard，Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard，Category 3

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End of document

Safety Data Sheet (SDS) Report

SDS number: TSNH00464461

Applicant: Tai 'an Yulong Pen Industry Co. LTD

Middle section of Fukang Road, 200 meters south of Nanguan Thermal Power Plant, Taishan District, Tai 'an City, Shandong Province

Issue Date: 2023-08-14

Sample Description:
The sample information was submitted and identified on client's behalf to be:

Product Name	:	colour leads
Physical State	:	Solid
Data Received	:	Aug 07, 2023
Data Reviewed	:	Aug 14, 2023

Service Requested:
Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated according to requirements of Regulation (EC) No 1907/2006 (REACH) with its amendment Commission Regulation (EU) 2020/878, Regulation (EC) No 1272/2008, for details please refer to attached pages.

Authorized By:
On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai

Anna Wang
Technical Manager

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colour leads

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 8/14/2023 Revision date: 8/14/2023 Version: 1.0 SDS Number: TSNH00464461

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : colour leads

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Draw.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Tai 'an Yulong Pen Industry Co. LTD
Middle section of Fukang Road, 200 meters south of Nanguan Thermal Power Plant, Taishan District, Tai 'an City, Shandong Province
T: 0086-18753881888
yulongbiye@126.com

1.4. Emergency telephone number

Hospital	City	Address	POSTAL CODE	Phone
CAV “Osp. Pediatric Bambino Gesù ”Department of Emergency and DEA Acceptance	Rome	Piazza Sant'Onofrio, 4	00165	06 68593726
Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122	800183459
Az. Osp. "A. Cardarelli"	Naples	Via A. Cardarelli, 9	80131	081-5453333
CAV Polyclinic "Umberto I"	Rome	V.le del Policlinico, 155	161	06-49978000
CAV Polyclinic "A. Gemelli"	Rome	Largo Agostino Gemelli, 8	168	06-3054343
Az. Osp. "Careggi" Medical Toxicology Unit	Florence	Largo Brambilla, 3	50134	055-7947819
CAV National Center for Toxicological Information	Pavia	Via Salvatore Maugeri, 10	27100	0382-24444
Osp. Niguarda Ca 'Granda	Milan	Piazza Maggiore Hospital, 3	20162	02-66101029
Papa Giovanni XXII Hospital	Bergamo	OMS Square, 1	24127	800883300
Verona Integrated Hospital	Verona	Piazzale Aristide Stefani, 1	37126	800011858

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS09

Signal word (CLP) : -

Hazard statements (CLP) : H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 %.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kaolin	CAS-No.: 1332-58-7 EC-No.: 310-194-1	40	Not classified
Magnesium Stearate	CAS-No.: 557-04-0 EC-No.: 209-150-3	17	Not classified
Cellulose, carboxymethyl ether	CAS-No.: 9000-11-7	12	Not classified
Stearic acid	CAS-No.: 57-11-4 EC-No.: 200-313-4	10	Not classified
2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-, calcium salt (1:1)	CAS-No.: 5281-04-9 EC-No.: 226-109-5	1 – 10	Not classified
Paraffin waxes and Hydrocarbon waxes	CAS-No.: 8002-74-2 EC-No.: 232-315-6	9	Not classified
C.I. Pigment White 5	CAS-No.: 1345-05-7 EC-No.: 215-715-5	1 – 5	Not classified
2-Naphthalenecarboxamide, 4-[(2-chlorophenyl)azo]-3-hydroxy-N-phenyl-	CAS-No.: 6410-26-0 EC-No.: 229-096-4	1 – 5	Not classified
Iron oxides	CAS-No.: 1332-37-2 EC-No.: 215-570-8	1 – 5	Not classified
C.I. Pigment Yellow 13	CAS-No.: 5102-83-0 EC-No.: 225-822-9	1 – 5	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butanamide, 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxo-	CAS-No.: 6486-23-3 EC-No.: 229-355-1	1 – 5	Not classified
Iron oxide yellow	CAS-No.: 51274-00-1 EC-No.: 257-098-5	1 – 5	Not classified
C.I. Pigment Blue 15	CAS-No.: 147-14-8 EC-No.: 205-685-1	1 – 5	Not classified
C.I. Pigment Green 7	CAS-No.: 1328-53-6 EC-No.: 215-524-7	1 – 5	Not classified
Carbon black	CAS-No.: 1333-86-4 EC-No.: 215-609-9	1 – 5	Not classified
3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-	CAS-No.: 3520-72-7 EC-No.: 222-530-3	1 – 5	Not classified
Basic Pigment Violet 23	CAS-No.: 215247-95-3	1 – 5	Not classified
Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, molybdatetungstatephosphate	CAS-No.: 1326-03-0 EC-No.: 215-413-3	1 – 5	Aquatic Chronic 1, H410
2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(1-sulfo-2-naphthalenyl)azo]-, calcium salt (1:1)	CAS-No.: 6417-83-0 EC-No.: 229-142-3	1 – 5	Not classified
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, molybdatetungstatephosphate	CAS-No.: 1325-87-7 EC-No.: 215-410-7	1 – 5	Self-heat. 2, H252 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Beeswax	CAS-No.: 8012-89-3 EC-No.: 232-383-7	3	Not classified
Carnauba wax	CAS-No.: 8015-86-9 EC-No.: 232-399-4	1	Not classified

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : On combustion forms: Carbon oxides and metal oxides.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Thermal decomposition can lead to the release of irritating gases and vapours.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Suitable packaging material : Polyethylene.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Carbon black (1333-86-4)	
Italy - Occupational Exposure Limits	
OEL TWA	3 mg/m³ (ACGIH OELs)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:
Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:
Chemical goggles or safety glasses. Use eye protection according to ISO 16321-1. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Wear protective gloves. Wear suitable gloves tested to ISO 374-1. protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:
Wear appropriate mask. Wear suitable respiratory equipment in case of insufficient ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Polychrome
Odour	:	Odourless
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not applicable
Boiling point	:	Not available
Flammability	:	Not flammable.
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
pH	:	Not available
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Kaolin (1332-58-7)	
LD50 oral rat	> 5000 mg/kg (Source: NLM_HSDB)
LD50 dermal rat	> 5000 mg/kg (Source: NLM_HSDB)

Stearic acid (57-11-4)	
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 434 (Acute Dermal Toxicity - Fixed Dose Procedure)
LD50 dermal	> 5000 mg/kg bodyweight

Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
LD50 oral rat	> 5000 mg/kg (Source: CHEMVIEW)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 3600 mg/kg (Source: NLM_CIP)

2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-, calcium salt (1:1) (5281-04-9)	
LD50 oral rat	> 5000 mg/kg (Source: OECD_SIDS)
LD50 dermal rat	> 2500 mg/kg (Source: NLM_CIP)

C.I. Pigment Yellow 13 (5102-83-0)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rat	> 3000 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 4250 mg/l/4h

C.I. Pigment Blue 15 (147-14-8)	
LD50 oral rat	> 10000 mg/kg (Source: OECD_SIDS)
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)

C.I. Pigment Green 7 (1328-53-6)	
LD50 oral rat	> 5000 mg/kg (Source: OECD_SIDS)

Carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 8000 mg/kg Source: ECHA

3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl- (3520-72-7)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)

2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(1-sulfo-2-naphthalenyl)azo]-, calcium salt (1:1) (6417-83-0)	
LC50 Inhalation - Rat	> 5 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Stearic acid (57-11-4)	
LC50 - Fish [1]	> 10000 mg/l

Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, molybdatetungstatephosphate (1326-03-0)	
EC50 - Crustacea [1]	0.116 mg/l (Species: Daphnia magna)

C.I. Pigment Blue 15 (147-14-8)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	355.6 mg/l Test organisms (species): other:
EC50 - Crustacea [1]	> 500 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 500 mg/l Test organisms (species): other:
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	> 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

C.I. Pigment Green 7 (1328-53-6)	
LC50 - Fish [1]	752.4 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: IUCLID)

Carbon black (1333-86-4)	
LC50 - Fish [1]	> 1000 mg/l Source: NITE
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Carbon black (1333-86-4)	
ErC50 algae	> 10000 mg/l Source: ECHA

12.2. Persistence and degradability

colour leads	
Persistence and degradability	Not established.

Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, molybdatetungstatephosphate (1326-03-0)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

colour leads	
Bioaccumulative potential	Not established.

Stearic acid (57-11-4)	
Partition coefficient n-octanol/water (Log Pow)	8.23

Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
Partition coefficient n-octanol/water (Log Pow)	> 6

Magnesium Stearate (557-04-0)	
Partition coefficient n-octanol/water (Log Pow)	14.34

2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-, calcium salt (1:1) (5281-04-9)	
BCF - Fish [1]	(>0.7 - <1.8 (total lipid content)
Partition coefficient n-octanol/water (Log Pow)	0.65 (at 23 °C (at pH 4.5-5)

C.I. Pigment Yellow 13 (5102-83-0)	
BCF - Fish [1]	0 – 6.2 (whole body w.w.)
Partition coefficient n-octanol/water (Log Pow)	1.8 (at 24 °C (at pH 7)

C.I. Pigment Blue 15 (147-14-8)	
BCF - Fish [1]	0.3 – 11
Partition coefficient n-octanol/water (Log Pow)	6.6 (at 25 °C)

C.I. Pigment Green 7 (1328-53-6)	
BCF - Fish [1]	0.51 – 74
Partition coefficient n-octanol/water (Log Pow)	(at 23 °C)

Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, molybdatetungstatephosphate (1326-03-0)	
Bioaccumulative potential	Not established.

2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(1-sulfo-2-naphthalenyl)azo]-, calcium salt (1:1) (6417-83-0)	
Partition coefficient n-octanol/water (Log Pow)	1.8 (at 23 °C (at pH 7)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

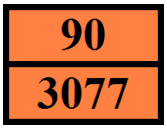
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	Environmentally hazardous substance, solid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M7
Special provisions (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : PP12, B3
Mixed packing provisions (ADR) : MP10
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (ADR) : TP33

Tank code (ADR)	:	SGAV, LGBV
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V13
Special provisions for carriage - Bulk (ADR)	:	VC1, VC2
Special provisions for carriage - Loading, unloading and handling (ADR)	:	CV13
Hazard identification number (Kemler No.)	:	90
Orange plates	:	
Tunnel restriction code (ADR)	:	-
EAC code	:	2Z

Transport by sea

Special provisions (IMDG)	:	274, 335, 966, 967, 969
Limited quantities (IMDG)	:	5 kg
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP02, P002
Special packing provisions (IMDG)	:	PP12
IBC packing instructions (IMDG)	:	IBC08
IBC special provisions (IMDG)	:	B3
Tank instructions (IMDG)	:	BK1, BK2, BK3, T1
Tank special provisions (IMDG)	:	TP33
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-F
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW23

Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y956
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	956
PCA max net quantity (IATA)	:	400kg
CAO packing instructions (IATA)	:	956
CAO max net quantity (IATA)	:	400kg
Special provisions (IATA)	:	A97, A158, A179, A197, A215
ERG code (IATA)	:	9L

Inland waterway transport

Classification code (ADN)	:	M7
Special provisions (ADN)	:	274, 335, 375, 601
Limited quantities (ADN)	:	5 kg
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T* B**
Equipment required (ADN)	:	PP, A***
Number of blue cones/lights (ADN)	:	0
Additional requirements/Remarks (ADN)	:	* Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

Rail transport

Classification code (RID)	:	M7
Special provisions (RID)	:	274, 335, 375, 601
Limited quantities (RID)	:	5kg
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P002, IBC08, LP02, R001
Special packing provisions (RID)	:	PP12, B3
Mixed packing provisions (RID)	:	MP10
Portable tank and bulk container instructions (RID)	:	T1, BK1, BK2, BK3

Portable tank and bulk container special provisions (RID)	:	TP33
Tank codes for RID tanks (RID)	:	SGAV, LGBV
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W13
Special provisions for carriage – Bulk (RID)	:	VC1, VC2
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW13, CW31
Colis express (express parcels) (RID)	:	CE11
Hazard identification number (RID)	:	90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one] (3520-72-7)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

5.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

Abbreviations and acronyms:	
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Effective concentration for 50 percent of test population (median effective concentration)
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50 percent of test population (median lethal concentration)
LD50	Lethal dose for 50 percent of test population (median lethal dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulation concerning the International Carriage of Dangerous Goods by Railways
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H252	Self-heating in large quantities; may catch fire.
H315	Causes skin irritation.

Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Self-heat. 2	Self-Heating Substances and Mixtures, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.