Print date **2025-01-14**
Revision Date **2025-01-14**

Safety Data Sheet (SDS) Report

Applicant: **TIANJIN HONEST IMP/EXP ENTERPRISE CO., LTD**

No.7/8/9, In the Yard, 500m West to The Intersection of Maotiao Road and Yuhua Road, Jingwu Town, Xiqing District, Tianjin,China.

Sample Description

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

Product Name : Creamy Colours Earth Tones

Physical State : Solid

Service Requested

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), for details please refer to attached pages

Safety Data Sheet

Creamy Colours Earth Tones

TIANJIN HONEST IMP/EXP ENTERPRISE CO., LTD

SECTION 1 IDENTIFICATION

Product Identifier

Product name： Creamy Colours Earth Tones

Other means of identification: Not Available

Recommended use of the chemical and restrictions on use

Relevant identified uses: Drawing

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Supplier name	**TIANJIN HONEST IMP/EXP ENTERPRISE CO., LTD**
Address	No.7/8/9, In the Yard, 500m West to The Intersection of Maotiao Road and Yuhua Road, Jingwu Town, Xiqing District, Tianjin,China.
Telephone	+86-22-23987686
Emergency telephone	+86-22-23987686
Email	management-1@arts-arch.com
Importer name	Zart
Address	48 Overseas Drive, Noble Park North, Victoria 3174 Australia
Telephone	+61 3 9890 1867
Email	BPoljansek@zartart.com.au

Emergency phone number

Association / Organisation

Emergency telephone numbers

Other emergency telephone numbers

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Not considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes.

Classification: Not Classified

Label elements

Hazard pictogram(s): Not Applicable

Hazard statement(s)

Not Applicable

Hazard(s) not otherwise classified

Not Applicable

Supplementary statement(s)

Not Applicable

Precautionary statement(s) General

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	Calcium Carbnate	Gum arabic	Dextrin	Glycerol	Imidazolidinyl Urea	Water	C.I. Pigment White 6	C.I. Pigment Red 170	C.I. Pigment Yellow 42	C.I. Pigment Red 101	C.I. Pigment Black 7	Total
CAS No.	471-34-1	9000-01-5	9004-53-9	56-81-5	39236-46-9	7732-18-5	13463-67-7	2786-76-7	51274-00-1	1309-37-1	1333-86-4	
Yellow Ochre	38.65%	28.80%	2.25%	3.25%	0.30%	5.50%			21.25%			100.00%
Burnt Sienna	38.20%	27.59%	2.78%	3.13%	0.30%	3.50%			4.20%	18.00%	2.30%	100.00%
Raw Umber	40.70%	28.19%	2.73%	3.58%	0.30%	3.50%			15.00%		6.00%	100.00%
Vandyke Brown	39.85%	30.60%	2.80%	3.90%	0.30%	3.85%			6.80%	6.80%	5.10%	100.00%
Red Ochre1	44.95%	28.80%	2.75%	3.37%	0.30%	3.68%		13.60%			2.55%	100.00%
Burnt Sienna1	37.95%	29.70%	2.50%	3.90%	0.30%	4.40%	2.55%		6.80%	10.20%	1.70%	100.00%

SECTION 4 FIRST-AID MEASURES

Description of first aid measures

Eye Contact

If this product comes in contact with eyes:

Wash out immediately with water.

If irritation continues, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel

Skin Contact

If skin contact occurs:

Immediately remove all contaminated clothing, including footwear.

Flush skin and hair with running water (and soap if available).

Seek medical attention in event of irritation

Inhalation

If dust is inhaled, remove from contaminated area.

Encourage patient to blow nose to ensure clear breathing passages.

Ask patient to rinse mouth with water but to not drink water.

Seek immediate medical attention.

Ingestion

Immediately give a glass of water.

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing media

Foam.

Dry chemical powder

Special hazards arising from the substrate or mixture

Fire Incompatibility: Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Special protective equipment and precautions for fire-fighters

Fire Fighting

Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Fire/Explosion Hazard

Combustion products include:

carbon monoxide (CO)

carbon dioxide (CO2)

hydrogen chloride

phosgene

nitrogen oxides (NOx)

other pyrolysis products typical of burning organic material

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills

Clean up all spills immediately.

Avoid breathing dust and contact with skin and eyes

Major Spills

Moderate hazard.

CAUTION: Advise personnel in area

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling

Limit all unnecessary personal contact.

Wear protective clothing when risk of exposure occurs

Other information

Store in original containers.

Keep containers securely sealed

Conditions for safe storage, including any incompatibilities

Suitable container

Plastic container

Storage incompatibility

Avoid reaction with oxidising agents

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US NIOSH Recommended Exposure Limits (RELs)	calcium carbonate	Calcium salt of carbonic acid [Note: Occurs in nature as as limestone, chalk, marble, dolomite, aragonite, calcite and oyster shells.]	10 (total), 5 (resp) mg/m3	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	C.I. Pigment Black 7	Acetylene black, Channel black, Furnace black, Lamp black, Thermal black	3.5 mg/m3	Not Available	Not Available	Ca See Appendix A See Appendix C
US ACGIH Threshold Limit Values (TLV)	C.I. Pigment Black 7	Carbon black	3 mg/m3	Not Available	Not Available	TLV® Basis: Bronchitis
US OSHA Permissible Exposure Levels (PELs) - Table Z1	C.I. Pigment Black 7	Carbon black	3.5 mg/m3	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	C.I. Pigment White 6	Rutile, Titanium oxide, Titanium peroxide	Not Available	Not Available	Not Available	Ca See Appendix A
US ACGIH Threshold Limit Values	C.I. Pigment	Titanium dioxide	10 mg/m3	Not	Not	TLV® Basis: LRT irr

(TLV)	White 6			Available	Available	
US OSHA Permissible Exposure Levels (PELs) - Table Z1	C.I. Pigment White 6	Titanium dioxide: Total dust	15 mg/m3	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	C.I. Pigment Red 101	Iron(III)oxide, Iron oxide red, Red iron oxide, Red oxide	Not Available	Not Available	Not Available	See Appendix D
US NIOSH Recommended Exposure Limits (RELs)	C.I. Pigment Red 101	Ferric oxide, Iron(III) oxide	5 mg/m3	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	C.I. Pigment Red 101	Iron oxide (Fe203)	5 mg/m3	Not Available	Not Available	TLV® Basis: Pneumoconiosis
US OSHA Permissible Exposure Levels (PELs) - Table Z1	C.I. Pigment Red 101	Rouge: Total dust	15 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	C.I. Pigment Red 101	Iron oxide fume	10 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	C.I. Pigment Red 101	Rouge: Respirable fraction	5 mg/m3	Not Available	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
calcium carbonate	Carbonic acid, calcium salt	45 mg/m3	210 mg/m3	1,300 mg/m3
C.I. Pigment Black 7	Carbon black	9 mg/m3	99 mg/m3	590 mg/m3
C.I. Pigment White 6	Titanium oxide; (Titanium dioxide)	30 mg/m3	330 mg/m3	2,000 mg/m3
C.I. Pigment Red 101	Iron oxide; (Ferric oxide)	15 mg/m3	360 mg/m3	2,200 mg/m3

Ingredient	Original IDLH			Revised IDLH

C.I. Pigment Black 7	1,750 mg/m3	Not Available
C.I. Pigment White 6	5,000 mg/m3	Not Available
C.I. Pigment Red 101	2,500 mg/m3	Not Available

Exposure controls

Appropriate engineering controls

Assess operations based upon available dust explosion information to determine the suitability of preventative or protective systems as precautionary measures against possible dust explosions. If prevention is not possible, consider protection by use of containment, venting or suppression of dust handling equipment.

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection

Personal protection

Eye and face protection

Safety glasses with side shields.

Chemical goggles

Skin protection

See Hand protection below

Hands/feet protection

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical 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.

Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present.

polychloroprene.

Body protection

See Other protection below

Other protection

Overalls.

P.V.C.

Respiratory protection

Respirators may be necessary when engineering and administrative controls do not

adequately prevent exposures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid

Physical state	Solid	**Relative density (Water = 1)**	Not Available
Odour	Not Available	**Partition coefficient n-octanol / water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Available
pH (as supplied)	Not Available	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Viscosity (cSt)**	Not Available
Initial boiling point and boiling range (°C)	Not Available	**Molecular weight (g/mol)**	Not Available
Flash point (°C)	Not Available	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Not Flammable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Available	**Surface Tension (dyn/cm or mN/m)**	Not Applicable
Lower Explosive Limit (%)	Not Available	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water	Not Available	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity

See section 7

Chemical stability

Product is considered stable and hazardous polymerisation will not occur

Possibility of hazardous reactions

See section 7

Conditions to avoid

See section 7

Incompatible materials

See section 7

Hazardous decomposition products

See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

calcium carbonate

Oral (rat) LD50: 6450 mg/kg[2]

Dextrins

Oral (rat) LD50: >2000 mg/kg[2]

Sorbitol

Oral (rat) LD50: 15900 mg/kg[2]

C.I. Pigment Black 7

dermal (rat) LD50: >2000 mg/kg[1]

Oral (rat) LD50: >15400 mg/kg[2]

C.I. Pigment Yellow 1

dermal (rat) LD50: >2000 mg/kg[1]

Oral (rat) LD50: >2000 mg/kg[1]

C.I. Pigment Red 170

dermal (rat) LD50: >2000 mg/kg[1]

Oral (rat) LD50: >2000 mg/kg[1]

C.I. Pigment Orange 13

Oral (rat) LD50: >10,000 mg/kg[2]

C.I. Pigment Blue 15

Oral (rat) LD50: >10,000 mg/kg[2]

C.I. Pigment White 6

dermal (hamster) LD50: >=10000 mg/kg[2]

Oral (rat) LD50: >2000 mg/kg[1]

C.I. Pigment Red 101

Oral (rat) LD50: >10000 mg/kg[2]

C.I. Pigment Blue 29

Oral (rat) LD50: >10000 mg/kg[2]

C.I. Pigment Yellow 42

Oral (rat) LD50: >5000 mg/kg[2]

Skin Irritation/Corrosion

No skin irritation

Serious Eye Damage/Irritation

No serious eye irritation

Respiratory or Skin Sensitisation

No data available

Mutagenicity

No data available

Carcinogenicity

CAS number	IARC Group
1333-86-4	2B
1309-37-1	3
13463-67-7	2B

Reproductivity

No data available

STOT - Single Exposure

No data available

STOT - Repeated Exposure

No data available

Aspiration Hazard

No data available

Legend

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances*

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Creamy Colours Watercolours： No data available for the mixture

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Sorbitol	LOW	LOW
C.I. Pigment Yellow 1	HIGH	HIGH
C.I. Pigment Blue 15	HIGH	HIGH
C.I. Pigment White 6	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
Sorbitol	LOW (LogKOW = -3.0108)
C.I. Pigment Yellow 1	MEDIUM (LogKOW = 3.9388)
C.I. Pigment Orange 13	LOW (BCF = 5.6)
C.I. Pigment Blue 15	LOW (BCF = 11)

C.I. Pigment White 6	LOW (BCF = 10)

Mobility in soil

Ingredient	Mobility
Sorbitol	LOW (KOC = 10)
imidazolidinyl urea	LOW (KOC = 10)
C.I. Pigment Yellow 1	LOW (KOC = 278.5)
C.I. Pigment Blue 15	LOW (KOC = 10000000000)
C.I. Pigment White 6	LOW (KOC = 23.74)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal

DO NOT allow wash water from cleaning or process equipment to enter drains

It may be necessary to collect all wash water for treatment before disposal.

SECTION 14 TRANSPORT INFORMATION

Marine Pollutant ： NO

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

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

CALCIUM CARBONATE(471-34-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US DOE Temporary Emergency Exposure Limits (TEELs)

US NIOSH Recommended Exposure Limits (RELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

DEXTRINS(9004-53-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

SORBITOL(50-70-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US TSCA Chemical Substance Inventory - Interim List of Active Substances

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

C.I. PIGMENT BLACK 7(1333-86-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

US - Alaska Limits for Air Contaminants

US - California Permissible Exposure Limits for Chemical Contaminants

US - California Proposition 65 - Carcinogens

US - Hawaii Air Contaminant Limits

US - Idaho - Limits for Air Contaminants

US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits

US - Massachusetts - Right To Know Listed Chemicals

US - Michigan Exposure Limits for Air Contaminants

US - Minnesota Permissible Exposure Limits (PELs)

US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL): Carcinogens

US - Oregon Permissible Exposure Limits (Z-1)

US - Pennsylvania - Hazardous Substance List

US - Rhode Island Hazardous Substance List

US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US - Washington Permissible exposure limits of air contaminants

US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants

US ACGIH Threshold Limit Values (TLV)

US ACGIH Threshold Limit Values (TLV) - Carcinogens

US DOE Temporary Emergency Exposure Limits (TEELs)

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Levels (PELs) - Table Z1

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

C.I. PIGMENT YELLOW 1(2512-29-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US List of Active Substances Exempt from the TSCA Inventory

Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

C.I. PIGMENT RED 170(2786-76-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

C.I. PIGMENT ORANGE 13(3520-72-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US TSCA Chemical Substance Inventory - Interim List of Active Substances

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

C.I. PIGMENT BLUE 15(147-14-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)

US - California Permissible Exposure Limits for Chemical Contaminants US - Idaho - Limits for Air Contaminants

US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits

US - Minnesota Permissible Exposure Limits (PELs)

US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values

US Clean Air Act - Hazardous Air Pollutants

US Coast Guard, Department of Homeland Security Part 153: Ships Carrying Bulk Liquid, Liquefied gas or compressed gas hazardous materials. Table 1 to Part 153 --Summary of Minimum Requirements

US CWA (Clean Water Act) - Priority Pollutants

US CWA (Clean Water Act) - Toxic Pollutants

US EPCRA Section 313 Chemical List

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US

TSCA Chemical Substance Inventory - Interim List of Active Substances

C.I. PIGMENT WHITE 6(13463-67-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

US - Alaska Limits for Air Contaminants

US - California Proposition 65 - Carcinogens

US - Hawaii Air Contaminant Limits

US - Idaho - Limits for Air Contaminants US - Massachusetts - Right To Know Listed Chemicals US - Michigan Exposure Limits for Air Contaminants US - Minnesota Permissible Exposure Limits (PELs)

US - Oregon Permissible Exposure Limits (Z-1) US - Pennsylvania - Hazardous Substance List

US - Rhode Island Hazardous Substance List

US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US - Washington Permissible exposure limits of air contaminants

US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants

US ACGIH Threshold Limit Values (TLV)

US ACGIH Threshold Limit Values (TLV) - Carcinogens

US DOE Temporary Emergency Exposure Limits (TEELs)

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Levels (PELs) - Table Z1

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US TSCA Chemical Substance Inventory - Interim List of Active Substances

US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements

US TSCA Section 5(a)(2) - Significant New Use Rules (SNURs)

C.I. PIGMENT RED 101(1309-37-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

US - Alaska Limits for Air Contaminants

US - California Permissible Exposure Limits for Chemical Contaminants US - Hawaii Air Contaminant Limits

US - Idaho - Limits for Air Contaminants

US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits

US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US - Washington Permissible exposure limits of air contaminants

US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants

US ACGIH Threshold Limit Values (TLV)

US ACGIH Threshold Limit Values (TLV) - Carcinogens US DOE Temporary Emergency Exposure Limits (TEELs)

US - Massachusetts - Right To Know Listed Chemicals

US - Michigan Exposure Limits for Air Contaminants

US - Minnesota Permissible Exposure Limits (PELs)

US - Oregon Permissible Exposure Limits (Z-1)

US - Pennsylvania - Hazardous Substance List

US - Rhode Island Hazardous Substance List

US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants

US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Levels (PELs) - Table Z1

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SECTION 311/312 HAZARD CATEGORIES

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No

Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

None Reported

State Regulations

US. CALIFORNIA PROPOSITION 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

US - CALIFORNIA PROPOSITION 65 - CARCINOGENS: LISTED SUBSTANCE

Carbon black (airborne, unbound particles of respirable size), Benzidine-based dyes, Titanium dioxide (airborne, unbound particles of respirable size) Listed

SECTION 16 OTHER INFORMATION

Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit。

IDLH: Immediately Dangerous to Life or Health Concentrations
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index