83444-3070

# SAFETY DATA SHEET



Revision Number 1

Revision date 12-Sep-2024

# 1. Identification

Product identifier

Product Name VS-387 Bright Red

Other means of identification

Product Code(s) FG00193
Synonyms 01435X

Recommended use of the chemical and restrictions on use

Recommended use Restrictions on use

Details of the supplier of the safety data sheet

**Manufacturer Address** 

American Art Clay Co Inc 6060 Guion Road Indianapolis, IN 46254-1222 USA Toll Free: 1-800-999-5456 CustomerCare@Amaco.com

Emergency telephone number

Emergency Telephone U.S. Poison Control 1-800-222-1222

# 2. Hazard(s) identification

## Classification

Acute toxicity - Oral	Category 4
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

## Hazards not otherwise classified (HNOC)

Not applicable

## Label elements

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#### Hazard statements

#### Danger

H302 - Harmful if swallowed

H350 - May cause cancer

H373 - May cause damage to organs through prolonged or repeated exposure

EUH208 - Contains ( .? ). May produce an allergic reaction



#### Physical state Aerosol

## Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/clothing and eye/face protection

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

## **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

## **Precautionary Statements - Storage**

Store locked up

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

## Unknown acute toxicity

39.03035 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

## Other information

Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

## 3. Composition/information on ingredients

Not applicable.

# Mixture

Chemical name	CAS No	Weight-%
Dimethyl ether	115-10-6	40 - 60
Water	7732-18-5	20 - 40
Zircon, cadmium red	72828-62-7	5 - <10
Quartz	14808-60-7	1 - <3
Kaolin	1332-58-7	1 - <3
Frits, chemicals	65997-18-4	1 - <3
Nepheline syenite	37244-96-5	1 - <3
1,2,3-Propanetriol	56-81-5	1 - <3
Bentone EW	89382-86-5	0.1 - 1
Laponite	Trade secret	0.1 - 1

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Polyphosphoric acids, sodium salts	68915-31-1	0.1 - 1
Amorphous Silica	112926-00-8	0.1 - 1
Zinc oxide (ZnO)	1314-13-2	<0.1
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	<0.1
Titanium dioxide	13463-67-7	<0.1
Mica	12001-26-2	<0.1
Silica, cristobalite	14464-46-1	<0.1
Ethanolamine	141-43-5	<0.1

## 4. First-aid measures

#### **Description of first aid measures**

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash skin with soap and water.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

# 5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

No information available.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge None

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Evacuate

personnel to safe areas.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containmentPrevent further leakage or spillage if safe to do so.Methods for cleaning upPick up and transfer to properly labeled containers.

# 7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children.

## 8. Exposure controls/personal protection

## Control parameters

## **Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Zircon, cadmium red	STEL: 10 mg/m³ Zr	TWA: 0.2 mg/m <sup>3</sup> Se	IDLH: 9 mg/m³ Cd dust and
72828-62-7	TWA: 0.01 mg/m <sup>3</sup> Cd	TWA: 5 mg/m³ Zr	fume
	TWA: 0.002 mg/m <sup>3</sup> Cd	(vacated) TWA: 0.2 mg/m <sup>3</sup> Se	IDLH: 1 mg/m <sup>3</sup> Se
	respirable particulate matter	(vacated) TWA: 5 mg/m <sup>3</sup> Zr	IDLH: 25 mg/m³ Zr
	TWA: 0.2 mg/m³ Se	(vacated) STEL: 10 mg/m³ Zr	TWA: 0.2 mg/m³ except
	TWA: 5 mg/m³ Zr		Selenium hexafluoride Se
			TWA: 5 mg/m³ except Zirconium
			tetrachloride Zr
			STEL: 10 mg/m³ Zr
Quartz	TWA: 0.025 mg/m <sup>3</sup> respirable	TWA: 50 μg/m³	IDLH: 50 mg/m <sup>3</sup> respirable dust
14808-60-7	particulate matter	(vacated) TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup> respirable
		respirable dust	dust
		: (250)/(%SiO2 + 5) mppcf	
		TWA respirable fraction	
		: (10)/(%SiO2 + 2) mg/m <sup>3</sup>	
		TWA respirable fraction	
Kaolin	TWA: 2 mg/m³ particulate	TWA: 15 mg/m³ total dust	TWA: 10 mg/m³ total dust
1332-58-7	matter containing no asbestos	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ respirable dust
	and <1% crystalline silica,	fraction	
	respirable particulate matter	(vacated) TWA: 10 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m <sup>3</sup>	
		respirable fraction	
Frits, chemicals	STEL: 10 mg/m³ Zr	TWA: 10 μg/m³ As	IDLH: 5 mg/m³ As

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65997-18-4	TWA: 0.01 mg/m³ As TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable particulate matter TWA: 0.5 mg/m³ Sb TWA: 1 mg/m³ Cu dust and mist TWA: 3 mg/m³ W respirable particulate matter in the absence of cobalt TWA: 5 mg/m³ Zr TWA: 0.02 mg/m³ Mn respirable particulate matter TWA: 0.1 mg/m³ Mn inhalable particulate matter	TWA: 50 µg/m³ Pb TWA: 0.5 mg/m³ Sb TWA: 5 mg/m³ Zr (vacated) TWA: 0.5 mg/m³ Sb (vacated) TWA: 5 mg/m³ Zr (vacated) STEL: 10 mg/m³ Zr (vacated) Ceiling: 5 mg/m³ Ceiling: 5 mg/m³ Mn	IDLH: 9 mg/m³ Cd dust and fume IDLH: 50 mg/m³ Sb IDLH: 100 mg/m³ Cu dust and mist IDLH: 500 mg/m³ Mn IDLH: 5500 mg/m³ Mn IDLH: 5500 mg/m³ Pb IDLH: 100 mg/m³ Pb IDLH: 100 mg/m³ Ni Ceiling: 0.002 mg/m³ As 15 min Ceiling: 0.05 mg/m³ V dust and fume 15 min TWA: 0.5 mg/m³ Sb TWA: 1 mg/m³ Cu dust and mist TWA: 1 mg/m³ Mn TWA: 5 mg/m³ except Zirconium tetrachloride Zr TWA: 0.050 mg/m³ Pb TWA: 0.015 mg/m³ except Nickel carbonyl Ni STEL: 3 mg/m³ Mn
1,2,3-Propanetriol 56-81-5	-	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	-
Amorphous Silica 112926-00-8	-	TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA (vacated) TWA: 6 mg/m³ : (80)/(% SiO2) mg/m³ TWA	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Zinc oxide (ZnO) 1314-13-2	STEL: 10 mg/m³ respirable particulate matter TWA: 2 mg/m³ respirable particulate matter	TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ fume (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) STEL: 10 mg/m³ fume	IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale
Mica 12001-26-2	TWA: 0.1 mg/m³ respirable particulate matter	(vacated) TWA: 3 mg/m³ respirable dust <1% Crystalline silica TWA: 20 mppcf <1% Crystalline silica	Quartz respirable dust
Silica, cristobalite 14464-46-1	TWA: 0.025 mg/m³ respirable particulate matter	TWA: 50 μg/m³ (vacated) TWA: 0.05 mg/m³ respirable dust : (1/2)(250)/(%SiO2 + 5) mppcf TWA respirable fraction	IDLH: 25 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust

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		: (1/2)(10)/(%SiO2 + 2) mg/m <sup>3</sup>	
		TWA respirable fraction	
Ethanolamine	STEL: 6 ppm	TWA: 3 ppm	IDLH: 30 ppm
141-43-5	TWA: 3 ppm	TWA: 6 mg/m <sup>3</sup>	TWA: 3 ppm
		(vacated) TWA: 3 ppm	TWA: 8 mg/m <sup>3</sup>
		(vacated) TWA: 8 mg/m <sup>3</sup>	STEL: 6 ppm
		(vacated) STEL: 6 ppm	STEL: 15 mg/m <sup>3</sup>
		(vacated) STEL: 15 mg/m <sup>3</sup>	_

## **Biological occupational exposure limits**

Chemical name	ACGIH
Zircon, cadmium red	5 μg/g creatinine - urine (Cadmium) - not critical
72828-62-7	5 μg/L - blood (Cadmium) - not critical
Frits, chemicals	200 μg/L - blood (Lead) - not critical
65997-18-4	5 μg/g creatinine - urine (Cadmium) - not critical
	5 μg/L - blood (Cadmium) - not critical

## **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

Hand protection Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and

immediately after handling the product.

## 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Aerosol

Appearance Color

Odor

Odor threshold

Property Values Remarks • Method

No data available None known Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known Flash point No data available None known **Evaporation rate** No data available None known **Flammability** No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

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Lower flammability or explosive No data available

limits

Vapor pressure No data available None known Relative vapor density No data available None known Relative density No data available None known Water solubility No data available None known Solubility(ies) No data available None known Partition coefficient No data available None known **Autoignition temperature** No data available None known **Decomposition temperature** None known Kinematic viscosity No data available None known None known No data available Dynamic viscosity

Other information

Explosive properties

Oxidizing properties

VOC Content (%)

No information available
No information available
No information available

## 10. Stability and reactivity

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

## 11. Toxicological information

#### Information on likely routes of exposure

## **Product Information**

InhalationSpecific test data for the substance or mixture is not available.Eye contactSpecific test data for the substance or mixture is not available.Skin contactSpecific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed. (based

on components).

## Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

**Acute toxicity** 

## **Numerical measures of toxicity**

No information available

## The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 570.70 mg/kg

 ATEmix (dermal)
 6,515.10 mg/kg

 ATEmix (inhalation-dust/mist)
 8.30 mg/l

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#### Unknown acute toxicity

39.03035 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

**Component Information** 

Component information	0 11 5-4		
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether	-	-	= 164000 ppm (Rat) 4 h
115-10-6			
Water	> 90 mL/kg (Rat)	-	-
7732-18-5			
Kaolin	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
1332-58-7	3 3 ( )		
Frits, chemicals	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
65997-18-4	5 5 ,		
1,2,3-Propanetriol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L (Rat) 4 h
56-81-5	3 3 ( )		
Laponite	-	> 2000 mg/kg (Rabbit)	> 200 mg/L (Rat) 1 h
		3, 3, ( , , , , ,	3 (,
Polyphosphoric acids, sodium	= 3053 mg/kg (Rat)	-	-
salts	3. 3 (,		
68915-31-1			
Amorphous Silica	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 58.8 mg/L (Rat)4 h
112926-00-8	3 3 (,	3. 3 (,	]
Zinc oxide (ZnO)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m <sup>3</sup> (Rat) 4 h
1314-13-2	3 3 (,		J 3 3 3 ( 3 7 )
1,3,5-Triazine-1,3,5(2H,4H,6H)-t	= 763 mg/kg (Rat)	> 4000 mg/kg (Rat)	= 0.4 mg/L (Rat) 4 h
riethanol	, , , , , , , , , , , , , , , , , , ,	l recensions (really	= 0.338 mg/L (Rat) 4 h
4719-04-4			
Titanium dioxide	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h
13463-67-7			
Ethanolamine	= 1720 mg/kg (Rat)	= 1000 mg/kg ( Rabbit )	> 1.3 mg/L (Rat) 6 h
141-43-5	··=····g/ng ( ···at )	Italian and a second of the	'''   '''   '''   '''   '''
		1	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Zircon, cadmium red 72828-62-7	A2	Group 1 Group 3	Known	Х
Quartz 14808-60-7	A2	Group 1	Known	X
Frits, chemicals 65997-18-4	A1 A3 A2	Group 1 Group 2B Group 2A	Known Reasonably Anticipated	Х
Amorphous Silica 112926-00-8	-	Group 3	-	-
Titanium dioxide	-	Group 2B	-	X

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13463-67-7				
Silica, cristobalite 14464-46-1	A2	Group 1	Known	Х

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)** 

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

Target organ effects Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Blood, Central

Vascular System (CVS), Lungs, Nasal Cavities, Lymphatic System, prostate,

Gastrointestinal tract (GI).

Aspiration hazard No information available.

Other adverse effects

Interactive effects

## 12. Ecological information

## **Ecotoxicity**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dimethyl ether 115-10-6	-	LC50: >4.1g/L (96h, Poecilia reticulata)	-	-
1,2,3-Propanetriol 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Amorphous Silica 112926-00-8	EC50: =440mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =5000mg/L (96h, Brachydanio rerio)	-	EC50: =7600mg/L (48h, Ceriodaphnia dubia)
Zinc oxide (ZnO) 1314-13-2	-	LC50: =1.55mg/L (96h, Danio rerio)	-	-
1,3,5-Triazine-1,3,5(2H,4 H,6H)-triethanol	-	LC50: =16.07mg/L (96h, Danio rerio)	-	-

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4719-04-4				
Ethanolamine	EC50: =15mg/L (72h,	LC50: =227mg/L (96h,	-	EC50: =65mg/L (48h,
141-43-5	Desmodesmus	Pimephales promelas)		Daphnia magna)
	subspicatus)	LC50: =3684mg/L (96h,		-
		Brachydanio rerio)		
		LC50: 300 - 1000mg/L		
		(96h, Lepomis		
		macrochirus)		
		LC50: 114 - 196mg/L		
		(96h, Oncorhynchus		
		mykiss)		
		LC50: >200mg/L (96h,		
		Oncorhynchus mykiss)		

## Persistence and degradability

Bioaccumulation

There is no data for this product.

Chemical name	Partition coefficient	
Dimethyl ether	-0.18	
115-10-6		
1,2,3-Propanetriol	-1.76	
56-81-5		
Ethanolamine	-1.91	
141-43-5		

Other adverse effects

No information available.

# 13. Disposal considerations

Disposal methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging

Do not reuse empty containers.

California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as

a hazardous waste.

# 14. Transport information

DOT

Not regulated

UN number or ID number Packing group

UN 1950

# 15. Regulatory information

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#### International Inventories

**TSCA** 

Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active
			designation
Dimethyl ether	115-10-6	Present	Active
Water	7732-18-5	Present	Active
Zircon, cadmium red	72828-62-7	Present	Active
Quartz	14808-60-7	Present	Active
Kaolin	1332-58-7	Present	Active
Frits, chemicals	65997-18-4	Present	Active
Nepheline syenite	37244-96-5	-	Unknown *
1,2,3-Propanetriol	56-81-5	Present	Active
Bentone EW	89382-86-5	-	Unknown *
Laponite	-	Present	Active
Polyphosphoric acids, sodium salts	68915-31-1	Present	Active
Amorphous Silica	112926-00-8	Present	Active
Zinc oxide (ZnO)	1314-13-2	Present	Active
1,3,5-Triazine-1,3,5(2H,4H,6H)-trietha	4719-04-4	Present	Active
nol			
Titanium dioxide	13463-67-7	Present	Active
Mica	12001-26-2	-	Unknown *
Silica, cristobalite	14464-46-1	Present	Active
Ethanolamine	141-43-5	Present	Active

<sup>\*</sup>Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

**DSL/NDSL** Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. **ENCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **IECSC** Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. AIIC **NZIoC** Contact supplier for inventory compliance status.

## Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
PICS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

## **US Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %	
Zircon, cadmium red - 72828-62-7	0.1	

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	1.0
Frits, chemicals - 65997-18-4	0.1
	1.0
Zinc oxide (ZnO) - 1314-13-2	1.0

<u>SARA 311/312 Hazard Categories</u>
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

<u>CWA (Clean Water Act)</u>
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zircon, cadmium red 72828-62-7	-	Х	-	-
Frits, chemicals 65997-18-4	-	X	-	-
Zinc oxide (ZnO) 1314-13-2	-	Х	-	-

## **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## **US State Regulations**

## U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Dimethyl ether 115-10-6	X	X	X
Water 7732-18-5	-	-	X
Zircon, cadmium red 72828-62-7	X	-	X
Quartz 14808-60-7	X	X	X
Kaolin 1332-58-7	X	X	X
Frits, chemicals 65997-18-4	X	-	X
1,2,3-Propanetriol 56-81-5	X	X	X
Amorphous Silica 112926-00-8	X	-	X
Zinc oxide (ZnO) 1314-13-2	X	X	X
Titanium dioxide 13463-67-7	X	X	X
Mica 12001-26-2	Х	-	X
Silica, cristobalite 14464-46-1	Х	Х	X
Ethanolamine 141-43-5	X	X	X

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#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. Other information

**NFPA** Health hazards 2 Flammability 0 Instability 0 Special hazards Health hazards 1\* Flammability 0 Physical hazards 0 Personal protection X **HMIS** Chronic Hazard Star Legend = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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**End of Safety Data Sheet** 

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