

T025-BR01 BRONZE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	T025-BR01 BRONZE
PRODUCT USE:	Industrial Powder Coating

MANUFACTURER

Cardinal Paint and Powder 1329 Potrero Ave S. El Monte, CA, 91733 626 444-9274

24 HR. EMERGENCY TELEPHONE NUMBER

CHEMTREC (US Transportation): (800)424-9300 CHEMTREC (International Transportation): (202)483-7616 WEB: WWW.CARDINALPAINT.COM

2. HAZARDS IDENTIFICATION

PICTOGRAMS:



SIGNAL WORD : DANGER

HAZARD STATEMENTS :

- H412 Harmful to aquatic life with long lasting effects.
- H340 May cause genetic defects.
- H351 Suspected of causing cancer.
- H317 May cause an allergic skin reaction.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H318 Causes serious eye damage.

PRECAUTIONARY STATEMENTS :

- P201 Obtain special instructions before use.
- P260 Do not breathe dust.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P202 Do not handle until all safety precautions have been read and understood.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number	
1,3,5-Triglycidyl Isocyanurate	1% - 5%	2451-62-9	
Міса	1% - 5%	12001-26-2	
Titanium Dioxide	1% - 5%	13463-67-7	
Carbon Black	0.10% - 0.50%	1333-86-4	



4. FIRST AID MEASURES

Description of first aid measures.

EYE CONTACT : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

SKIN CONTACT : Remove affected clothing and wash all exposed area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Wash with plenty of soap and water. Get medical advice/attention. Wash contaminated clothing before reuse. Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

INGESTION : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a Poison Center or doctor/physician if you feel unwell

INHALATION : Allow Victim to breathe fresh air. Allow victim to rest. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell

Most important symptoms and effect, both acute and delayed : Symptoms/Injuries: May cause genetic defects. Causes damage to organs. - After Inhalation: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause an allergic skin reaction. May cause cancer by inhalation. - After Eye Contact: Causes serious eye damage. - After Ingestion: Swallowing a small quantity of this material may result in serious health hazard. Indication of any immediate medical attention and special treatment needed: No additional information available.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, alcohol foam, dry chemical, carbon dioxide, water fog or sand.

UNSUITABLE EXTINGUISHING MEDIA: Do not use heavy water stream.

FIRE FIGHTING PROCEDURE: 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.

Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure modes.

UNUSUAL FIRE AND EXPLOSION HAZARD: This product is stable at normal handling and storage conditions.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES : General measures: Remove ignition sources. Use special care to avoid static electric charges. No smoking.

FOR NON-EMERGENCY PERSONNEL : For non-Emergency procedures: Evacuate unnecessary personnel.

FOR EMERGENCY RESPONDERS : Protective equipment : Equip cleanup crew with proper protection. - Emergency procedures : Ventilate area.

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

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP : On land, sweep or shovel into suitable containers,. Minimize generation of dust.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when you are leaving work. Provide good ventilation in process area.Use only in well ventilated areas. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.Eliminate all ignition sources if safe to do so. Avoid breathing dust, fumes and/or vapors.

Hygiene measures: Wash Skin thoroughly after handling.



CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : Avoid heat sources and direct sunlight. Store in a dry place. Protect from moisture. Keep container closed when not in use. Keep only in the original container in a cool well ventilated place away from heat, ignition sources and direct sunlight.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Source of ignition. Direct sunlight.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

1,3,5-Triglycidyl Isocyanurate(2451-62-9)			
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	0.05 mg/m3 8 hours	
Aluminum Oxide(1344-28-1)	The freighted / (reidge)		
USA OSHA	(OEL) Table Z-1, TWA	15 mg/m3	
USA ACGIH	(TLV) TWA	1 mg/m3	
Amorphous Pyrogenic Silica(112945-52-		1 119/113	
USA OSHA	USA OSHA TWA (OEL Table Z-3)	80 mg/m3 3/%SiO2	
USA NIOSH	USA NIOSH TWA (REL)	6 mg/m3	
Amorphous Silica(112926-00-8)		0 119/110	
USA OSHA	USA OSHA TWA (Table Z-1)	6 mg/m3	
USA OSHA	USA OSHA TWA (Tabla Z-3)	20 Million particals per cubic foot.	
USA NIOSH	USA NIOSH TWA (REL)	6 mg/m3	
Carbon Black(1333-86-4)		o ng/ns	
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	3 mg/m3 8 hours	
OSHA PEL (Permissible Exposure Limit)	TWA (Time Weighted Average)	3.5 mg/m3 8 hours	
NIOSH REL (Recommended Exposure	TWA (Time Weighted Average)	3.5 mg/m3 8 hours	
Limit)		5.5 mg/m5 6 hours	
NIOSH REL (Recommended Exposure	TWA (Time Weighted Average)	0.1mg of PAHs/cm3 10 hours	
Limit)	i internegited (trendge)		
Crystalline Silica(14808-60-7)			
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	0.025 mg/m3 8 hours	
Iron Oxide(1309-37-1)			
USA ACGIH	USA ACGIG (TLV) TWA	5 mg/m3	
USA OSHA	USA OSHA (OEL) TWA Table Z-1	15 mg/m3	
USA NIOSH	USA NIOSH (REL) TWA	5 mg/m3	
Limestone(1317-65-3)			
ACGIH	Not Applicable	Not Applicable	
OSHA PEL (Permissible Exposure Limit)	TWA (Time Weighted Average)	15 mg/m3 (Total Dust) 8 hours	
OSHA PEL (Permissible Exposure Limit	TWA (Time Weighted Average)	5 mg/m3 (Respirable Fraction) 8	
	(hours	
NIOSH REL (Recommende Exposure LImit)	TWA (Time Weighted Average)	15 mg/m3 (Total Dust) 8 hour	
NIOSH REL (Recommende Exposure	TWA (Time Weighted Average)	5 mg/m3 (Respirable Fraction) 8	
LImit)		hours	
Mica(12001-26-2)			
ACGIH TLV (Threshold limit Value)	TWA (Time Weighted Average)	3mg/m3 (Respirable Fraction) 8	
		hours	
OSHA PEL (Permissible Exposure Limit)	Ceiling	20 mppcf	
NIOSH REL (Recommende Exposure	TWA (Time Weighted Average)	3mg/m3 (Respirable Fraction)	
Limit)	(- <u> </u>	
Titanium Dioxide(13463-67-7)			
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	10 mg/m3 8 hours	
OSHA PEL (Permissible Exposure Limit)	TWA (Time Weighted Average)	15 mg/m3 8 hours	
	(

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Wear approved dust mask.

HAND PROTECTION : Wear protective gloves.

EYE PROTECTION : Chemical goggles or safety glasses.

SKIN AND BODY PROTECTION : Wear suitable protective clothing.



WORK HYGIENIC PRACTICES: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Solid
Melting point	:	55 - 90 deg C
Flash point	:	No data available.
Lower explosion limit	:	10 g/m ³
Upper explosion limit	:	70 g/m ³
Density	:	1.6520
Solubility	:	No data available.
Autoignition temperature	:	No data available.
Decomposition temperature	:	No data available.

10. STABILITY AND REACTIVITY

REACTIVITY : This product is stable at normal handling and storage conditions.

CHEMICAL STABILITY : Stable under normal conditions.

CONDITIONS TO AVOID : Direct sunlight. Extremely high or low temperatures.

INCOMPATIBLE MATERIALS : Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Fume. Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

1.2.5. Trighteidul Issay anurato (2451.62.0)	
1,3,5-Triglycidyl Isocyanurate(2451-62-9)	100 200
Acute toxicity - LD50 - oral - rat	100 - 200 mg/kg
Acute toxicity - LC50 - inhalation - rat -	> 650 mg/m3
male - 4 h	2000
Acute toxicity - LD50 - Dermal - rat- male	> 2000 mg/kg
& female	
Skin irritation - rabbit	Mild skin irritation - 24 hours
Eye irritation - rabbit	Severe eye irritation
Respiratory or skin sensation -	May cause sensitization by skin contact
Maximization test - guinea pig	
Germ cell mutagenicity	In vivo tests showed mutagenic effects
Germ cell mutagenicity - AMES test - S.	Positive
typhimurium	
Germ cell mutagenicity - AMES test -	Positive
mouse - male	
IARC	No component of this product present at levels greater than or equal to
	0.1% is identified as a probable, possible or confirmed human carcinogen
	by IARC
ACGIH	No component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	No component of this product present at levels greater than or equal to
	0.1% is identified as a known or anticipated carcinogen by NTP
OSHA	No component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single	No data available
exposure	
Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Additional information	To the best of our knowledge, the chemical, physical, and toxicological
	properties have not been thoroughly investigated
Aluminum Oxide(1344-28-1)	
Acute toxicity - LD50 - oral - rat	> 10,000 mg/kg
Acute toxicity - LC50 - inhalation - rat	> 2.6 mg/L / 4 h
Acute toxicity - dermal	No data available
Active conterty defindi	

CARDINAL SAFETY DATA SHEET

Skin irritation - rabbit	No skin irritation
Eye irritation - rabbit	No eye irritation
Respiratory or skin sensitisation -	DId not cause sensitisation on laboratory animals
maximisation test - guinea pig	
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicty based on its IARC, ACGIH, NTP, or EPA classification
IARC	No component of this product present at levels greater than or equal to
	0.1% is identified as a probable, possible or confirmed human carcinogen by IARC
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single	No data available
exposure	Ne dete eveileble
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional information	Cough, chest pain, difficulty in breathing, gastrointestinal disturbance
Addittional information	Liver irregularities based on human evidence
Amorphous Pyrogenic Silica(112945-52-5)	
Acute toxicity - Inhalation	No data available
Acute toxicity - Dermal	No data available
Skin irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity - rat - lungs	Body fluid assay
Germ cell mutagenicity - rat	Unscheduled DNA synthesis
Carcinogenicity - Rat - Inhalation	Tumorigenic: Carcinogenic by RTECS criteria. Lungs, thorax, or respiration: tumors
IARC	Not classifiable as to its carcinogenicity to human
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as as known or anticipated carcinogen
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Additional information	To the best of our knowledge, the chemical, physical, and toxicological
	properties have not been thoroughly investigated
Additional information	Stomach irregularities based on human evidence
Amorphous Silica(112926-00-8)	
Acute toxicity	no data available
Acute toxicity: Inhalation	no data available
Acute toxicity: Dermal Skin irritation	no data available no data available
Eye irritation Respiratory or skin sensation	no data available no data available
Germ cell mutagenicity	
Carcinogenicity: IARC: Group 3:	no data available
ACGIH	not classifiable as to its carcinogenicity to humans no component of this product present at levels greater than or equal to
NTP	0.1% is identified as a carcinogen or potential carcinogen by ACGIH no component of this product present at levels greater than or equal to
OSHA	0.1% is identified as a known or anticipated carcinogen by NTP no component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated	no data available
exposure	

CARDINAL SAFETY DATA SHEET

Aspiration hazard	no data available
Additional information	Amorphous silica is not classified as to its carcinogenicity to humans,
	however, crystalline silica inhaled in the form of quartz or cristobalite from
	occupational sources is carcinogenic to humans (Group 1, IARC).
	Therefore, amorphous silica should be handled as if possessing the same
	hazards as the crystalline form. To the best of our knowledge, the
	chemical, physical, and toxicological properties have not been thoroughly
	investigated.
Additional information	Stomach - irregularities - based on human evidence
Barium Sulfate(7727-43-7)	
Acute toxicity - inhalation	No data available
Acute toxicity - Dermal	No data available
Skin irritation	No data available
Eye irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity - mouse -	No reported data
micronucleus test	
Carcinogenicity - rat - intrapleural -	Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or
tumorigenic	Respiration: Tumors
IARC	No component of this product present at levels greater than or equal to
	0.1% is identified as a probable, possible, or confirmed human carcinoger
	by IARC
ACGIH	No component of this product present at levels greater than or equal to
NTD	0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	No component of this product present at levels greater than or equal to
	0.1% is identified as a known or anticipated carcinogen by NTP
OSHA	No component of this product present at levels greater than or equal to
<u> </u>	0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single	No data available
exposure	
Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Additional information	Prolonged inhalation of dust may cause baritosis, a benign
	pneumoconiosis. If ingested, the presence of soluble barium salts as
	impurities may cause toxic reactions due to bioaccumulation., Damage to
	the lungs., To the best of our knowledge, the chemical, physical, and
	toxicological properties have not been thoroughly investigated.
Additional information	Stomach irregularities - based on human evidence
Carbon Black(1333-86-4)	
LD50 Oral - Rat	> 8,000 mg/kg, male and female, (OECD Test Guideline 401)
LD50 Inhalation - Rat	No data available
LD50 Dermal - Rabbit	> 3,000 mg/kg
Skin corrosion/irritation	No skin irritation - 24 h, (OECD Test Guideline 404)
Eye damage/irritation - Rabbit	No eye irritation, (OECD Test Guideline 405)
Respiratory/skin sensitization - Guinea pig	Did not cause sensitization on laboratory animals, (OECD Test Guideline
Respiratory/skin sensitization - Guinea pig	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Negative
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black)
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) Ames test, S. typhimurium, negative Negative Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA No data available
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA No data availableSpecific target organ toxicity - single exposure: No data available
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA No data availableSpecific target organ toxicity - single exposure: No data available
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black)No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTPNo component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA No data availableSpecific target organ toxicity - single exposure: No data available No data available
Respiratory/skin sensitization - Guinea pig Germ cell mutagenicity Hamster - Ovary DNA repair - Rat - Female Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity	Did not cause sensitization on laboratory animals, (OECD Test Guideline 406)Ames test, S. typhimurium, negativeNegativeNegativeTumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification. Limited evidence of carcinogenicity in animal studies 2B - Group 2B: Possibly carcinogenic to humans (carbon black) No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA No data availableSpecific target organ toxicity - single exposure: No data available



Acute Dermal toxicity	no data available
	no data available
	no data available
eye irritation	no data available
Respiratory or skin sensation	no data available
	no data available
Carcinogenicity	Limited evidence of carcinogenicity in human studies
	Group 1: Carcinogenic to humans (Quartz)
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
	Known to be human carcinogen (Quartz)
	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
· · ·	may cause damage to organs through prolonged or repeated exposure
	no data available
	Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stage, loss of appetite, pleuric pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP., The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. Currently, there is a limited understanding of the mechanisms of quartz toxicity, including its mechanisms for lung carcinogenicity. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.
	Liver - Irregularities - based on human evidence
Iron Oxide(1309-37-1)	
	No data available
Acute toxicity - dermal	`No data available
	Skin irritation
	Moderate eye irritation
	No data available
	No data available
	Equivocal tumorogenic agent by RTECS criteria. Tumors at site of
	appilcation. This product is or contains a component that is not classifiable as to its
	carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.
IARC	Group 3: not classifiable as to its carcinogenicity to humans (diiron
IARC	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide).
IARC NTP	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP.
IARC NTP OSHA	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.
IARC NTP OSHA Reproductive toxicity	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation.
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation. No data available
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation. No data available No data available
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation. No data available
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information Iron Oxide(1317-61-9)	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation. No data available No data available Long term inhalation exposure to iron (oxide fume or dust) can cause siderosis. Siderosis is considered to be a benign pneumoconiosis and does not normally cause significant physiological impairment. Siderosis can be observed on x-rays with the lungs having a mottled appearance., To the best of our knowledge, the chemical, physical, and toxicological properties
IARC NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information Iron Oxide(1317-61-9)	Group 3: not classifiable as to its carcinogeniciy to humans (diiron trioxide). No component of this product present at levels greater than or equal to 0.1% is identified as a kown or anticpated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as ca carcinogen or potential carcinogen by OSHA. No data available inhalation - may cause respiratory irritation. No data available No data available Long term inhalation exposure to iron (oxide fume or dust) can cause siderosis. Siderosis is considered to be a benign pneumoconiosis and does not normally cause significant physiological impairment. Siderosis can be observed on x-rays with the lungs having a mottled appearance., To the best of our knowledge, the chemical, physical, and toxicological properties



Acute toxicity - dermal	No data available
Skin irritation - rabbit	No skin irritation
Eye irritation - rabbit	No eye irritation
Respiratory or skin sensitization - guinea	Did not cause sensitization on laboratory animals.
piq	· ······, · ···, · ···
Germ cell mutagenicity - hamster- lungs	Negative
IARC	No component of this product present at levels greater than or equal to
	0.1% is identified as a probable, possible or confirmed human carcinogen
	by IARC.
ACGIH	No component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to
	0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single	No data available
exposure	
Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Additional information	To the best of our knowledge, the chemical, physical. and toxicological
	properties have not been throughly investigated.
Limestone(1317-65-3)	
Draize test, rabbit, eye	750 ug/24H severe
Draize test, rabbit, skin	500 mg/24H moderate
Oral, rat: LD50	6450 mg/kg
ACGIH, IARC, NTP, CA Prop 65	Not listed
Epidemiology	No information available
Teratogenicity	No information available
Reproductive effects	No information available
Mutagenicity	No information available
Neurotoxicity	No information available
Mica(12001-26-2)	
Routes of entry	Inhalation, ingestion
Toxicity to animals - LD50	Not available
Toxicity to animals - LC50	Not available
Chronic effects on humans	The substance is toxic to lungs, mucous membranes.
Other toxic effects on humans	Hazaroud on case of ingestion, of inhalation. Slightly hazardous in case of
	skin contact (irritant).
Special remarks on the toxicity to animals	Not available
Special remarks on the chronic effects on	Not available
humans	
Special remarks on other toxic effects on	Nuisance dust.
humans	
Pentaerythritol tetrakis(6683-19-8)	
Acute toxicity - LD50 - oral - male rat	> 5000 mg/kg
Acute toxicity - LC50 - inahalation - male	> 1.95 mg/l / 4h
and female rat	
Acute toxicity - LD50 - dermal - male and	> 3160 mg/kg
female rabbit	
Acute toxicity - LD50 - intraperitoneal - rat	> 1000 mg/kg
Skin corrosion - rabbit	No skin irritation - 24 h
Eye irritation - rabbit	No eye irritation
Respiratory or skin sesnsitization - guinea	Does not cause skin sensitization
piq	
Germ cell mutagenicity - Ames test - S.	Negative
typhimurium	
Mutagenicity - micronucleus test - male	Negative
and female hamster	
IARC carcinogenicity	No component of this product present at levels greater than or equal to
	0.1% is identified as a probable, possible, or confirmed human carcinogen
	by IARC
ACGIH	No component of this product present at levels greater than or equal to
	0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP



OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single	No data available
exposure Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Titanium Dioxide(13463-67-7)	40000 //
Acute toxicity - LD50 - oral - rat	> 10000 mg/kg
Acute toxicity - inhalation	No data available
Acute toxicity - LD50 - dermal - rabbit	> 10000 mg/kg
Skin irritation - human	Mild skin irritation - 3 h
Eye irritation - rabbit	No eye irritation
Respiration or skin sensitisation	Will not occur No results available
Germ cell mutagenicity - hamster - ovary - micronucleus test	
Germ cell mutagenicity - hamster - lungs	DNA inhibition
Germ cell mutagenicity - hamster - ovary - sister chromatid exchange	No results available
Germ cell mutagenicity - mouse - micronucleus test	No results available
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Tris(2,4-ditert-butylphenyl) phosphite(3157	
LD50 - oral - male and female rat - Acute Toxicity	> 6000 mg/kg
LD50 - dermal - male and female rat	> 2000 mg/kg
Skin irritation - rabbit	No skin irritation / 24 h
Eye irritation- rabbit	No eye irritation / 30 s
Respiratory or skin sensitization - guinea pig	Does not cause skin sensitization
Germ cell mutagenicity -Ames test (micronucleus test) - male and femae hamster	Negative
Carcinogenicity - oral - male and female rat	No adverse effect has been observed in chronic toxicity tests
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carconogen by OSHA
Reproductive toxicity	Not data available
Developmental toxicity - oral - rabbit	No adverse effect has been observed in chronic toxicity tests
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Additional information	Repeated dose toxicity - rat - male and female - oral - No observed
	adverse effect level - >/ 1000 mg/kg



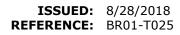
Additional information

No adverse effect has been observed in chronic toxicity tests

12. ECOLOGICAL INFORMATION

1,3,5-Triglycidyl Isocyanurate(2451-62-9)	
Toxicity to fish - static test LC50 - danio	> 77 mg/l - 96 h
rerio (zebra fish)	
Toxicity to daphnia and other aquatic	> 100 mg/l - 24 h
invertebrates - Immobilization - EC50 -	
daphnia magna (water flea)	
Toxicity to algae - growth inhibition - EC50	29 - 30 mg/l - 72 h
- Desmodesmus subspicatus	
Toxicity to bacteria - Respiration inhibition - IC50 - Sludge Treatment	> 100 mg/l 3 h
Persistence and degradability -	0.5 - 1% - not biodegradable
biodegradability - aerobic - exposure time:	
44 d	
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT & vPvB	not available/not required
Other adverse effects	An environmental hazard cannot be excluded in the event of
	unprofessional handling or disposal. Harmful to aquatic life with long
	lasting effects
Aluminum Oxide(1344-28-1)	
Toxicity	No toxicity at the limit of solubility
Persisitence and degradability	The methods for determining biodegradability are not applicable to
	inorganic substances
Bioaccumulative potential	Does not bioaccumulate
Mobility in soil	No data available
PBT and vPvB	Not available/not required
Other adverse effects	No data available.
Amorphous Pyrogenic Silica(112945-52-5)	
Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB	not available/not required
Amorphous Silica(112926-00-8)	
Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB	not available/not required
Barium Sulfate(7727-43-7)	
Toxicity	No data available
Persistence and degradability	The methods for determining biodegradability are not applicable in
Diese en unsulative vertextial	inorganic substances
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB Carbon Black(1333-86-4)	not available/not required
Toxicity to fish LC50	Danio rerio (zebra fish) >1000 mg/l - 96 h
EC50 Toxicity to daphnia and other aquatic	Dahlo reno (2ebra lish) > 1000 mg/l - 96 h Daphnia magna (Water flea) > 5600 mg/l - 24 h (OECD Test Guideline
invertebrates	202)
EC50 Toxicity to algae	Desmodesmus subspicatus (green algae > 10,000 mg/l - 72 h (OECD Test Guideline 201)
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	Not available/not required
Crystalline Silica(14808-60-7)	
Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB	not available/not required





Iron Oxide(1309-37-1)	
Toxicity	No data available
Persisitence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB	Not available/not required
Other adverse effects	No data available
Iron Oxide(1317-61-9)	
Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB	Not available/not required
Other adverse effects	No data available
Limestone(1317-65-3)	
Ecotoxicity	No data available
Environmental	No information reported
Physical	No information available
Mica(12001-26-2)	
Ecotoxicity	Not available
BOD5 and COD	Not available
Products of biodegradation	Possibly hazardous short term degradation products are not likely.
	However, long term degradation products may arise.
Toxicity of the products of biodegradation	THe products of degradation are as toxic as the original product
Special remarks on the products of	Not available
biodegradation	
Pentaerythritol tetrakis(6683-19-8)	
Toxicity to fish - static LC50 - zebra fish	> 100 mg/L / 96 h
Toxicity to daphnia and other aquatic	> 86 mg/L / 24 h
invertebrates - immobilization EC50 -	
daphnia magna (water flea)	100 m = /l / 72 h
Toxicity to algae - static EC50 -	> 100 mg/L / 72 h
Scenedesmus subspicatus Toxicity to bacteria - respiration inhibition	> 100 mg/L / 3 h
IC50 - sludge treatment	> 100 mg/L / 5 m
Persistence and degradability -	5% - not biodegradable : exposure time - 28 d
biodegradability - aerobic	
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB	Not available/not required
Other adverse effects	No data available
Titanium Dioxide(13463-67-7)	
Toxicity to fish - LC50 - other fish	> 1000 mg/L / 96 h
Toxicity to daphnia and other aquatic	> 1000 mg/L / 48 h
invertebrates - EC50 - Dapphnia magna	
(water flea)	
Toxicity to daphnia and other aquatic	1000 mg/L / 48 h
invertebrates - EC0 - Daphnia magna	
(water flea)	
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPbV	Not available/not required
Other adverse effects	No data available
Tris(2,4-ditert-butylphenyl) phosphite(3157	
Toxicity to fish - static LC0 - zebra fish	100 mg/L / 96 h
Toxicity to daphnia and other aquatic	510 mg/L / 24 h
invertebrates - static EC50 - Daphnia	
magna	
Toxicity to algae - static EC50 -	> 75 mg/L / 72 h
Scenedesmus subspicatus	100 mg/L / 2 h
Toxicity to bacteria - respiration inhibition	> 100 mg/L / 3 h
IC50 - sludge treatment	604 not roadily biodogradable oversures 28 d
Persistence and degradability -	6% - not readily biodegradable - exposure: 28 d
biodegradability - aerobic Bioaccumulative potential	No data available
Mobility in soil	No data available



SAFETY DATA SHEET

ISSUED: 8/28/2018 **REFERENCE:** BR01-T025

PBT and vPvB

not available/not required

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

GENERAL INFORMATION : No data available.

DISPOSAL METHOD: Dispose of in accordance with Local, State, Regional, National and International Regulations.

Ecology - waste materials: Avoid release to the environment.

14. TRANSPORT INFORMATION

*CHECK WITH YOUR CARRIER FOR ADDITIONAL RESTRICTIONS THAT MAY APPLY.

USDOT GROUND DOT (DEPARTMENT OF TRANSPORTATION) PROPER SHIPPING NAME (DOT) : Not Regulated/Not Applicable HAZARDS CLASS : None UN/NA NUMBER : Not Applicable PACKING GROUP : None EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

IATA (AIR) DOT (INTERNATIONAL AIR TRANSPORTATION ASSOCIATION) PROPER SHIPPING NAME : Not Regulated/Not Applicable HAZARDS CLASS : Not Applicable UN/NA NUMBER : Not Applicable PACKING GROUP : Not Applicable EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

IMDG (OCEAN) PROPER SHIPPING NAME : Not Regulated , Not Applicable HAZARDS CLASS : Not Applicable UN/NA NUMBER : Not Applicable PACKING GROUP : Not Applicable EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

MARINE POLLUTANT : No SPECIAL PRECAUTIONS : P235 Keep cool.



RDINAL SAFETY DATA SHEET

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS All ingredients are TSCA (Toxic Substance Control Act) listed.

OSHA HAZARDS : Moderate skin irritant, Moderate eye irritant. EPCRA - Emergency CERCLA REPORTABLE QUANTITY

SARA 304 Extremely Hazardous Substances Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SARA 311/312 Hazards : Acute Health Hazard, Chronic Health Hazard.

This product contains:	Chemical CAS#
1,3,5-Triglycidyl Isocyanurate	2451-62-9
Міса	12001-26-2
Titanium Dioxide	13463-67-7
Carbon Black	1333-86-4

SARA 313 : No SARA 313 chemicals are present

CLEAN AIR ACT :

INTERNATIONAL REGULATIONS

CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 (CLP) :

Eye Dam. 1	H318	Causes serious eye damage
Skin Sens. 1	H317	May cause an allergic skin reaction
Muta. 1B	H340	May cause genetic defects
Carc. 2	H351	Suspected of causing cancer
STOT RE 1	H372	Causes damage to organs through prolonged or repeated exposure
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects

NATIONAL REGULATIONS

This product contains:	Chemical CAS#
~Titanium Dioxide	13463-67-7
~Carbon Black	1333-86-4

National Regulations Key

~ Indicates a chemical listed by IARC as a possible carcinogen.

^ Indicates a chemical listed by IARC as carcinogenic to humans.



STATE REGULATIONS CALIFORNIA PROPOSITION 65

This product contains:	Chemical CAS#	
*Titanium Dioxide	13463-67-7	
*Carbon Black	1333-86-4	
*Crystalline Silica	14808-60-7	

Proposition 65 Key

- * **WARNING:** This product can expose you to a chemical(s), including those listed above, which is (are) known to the State of California to cause cancer.
 - For more information visit <u>WWWPROP65.CA.GOV</u>.
 - **WARNING:** This product can expose you to a chemical(s), including those listed above, which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information visit <u>WWWPROP65.CA.GOV</u>.
 - WARNING: This product can expose you to a chemical(s), including those listed above, which is (are) known to the State of California to cause cancer and birth defects or other reproductive harm. For more information visit <u>WWWPROP65.CA.GOV</u>.

Massachusetts Right to Know

This product contains	Chemical CAS#	
Barium Sulfate	7727-43-7	
Limestone	1317-65-3	
Mica	12001-26-2	
Titanium Dioxide	13463-67-7	
Amorphous Silica	112926-00-8	
Iron Oxide	1309-37-1	
Carbon Black	1333-86-4	
Crystalline Silica	14808-60-7	
Aluminum Oxide	1344-28-1	

Pennsylvania Right to Know

This product contains	Chemical CAS#
Barium Sulfate	7727-43-7
Limestone	1317-65-3
Міса	12001-26-2
Titanium Dioxide	13463-67-7
Amorphous Silica	112926-00-8
Iron Oxide	1309-37-1
Carbon Black	1333-86-4
Pentaerythritol tetrakis	6683-19-8
Tris(2,4-ditert-butylphenyl) phosphite	31570-04-4
Crystalline Silica	14808-60-7
Iron Oxide	1317-61-9
Aluminum Oxide	1344-28-1
Amorphous Pyrogenic Silica	112945-52-5



New Jersey Right to Know

This product contains	Chemical CAS#
Barium Sulfate	7727-43-7
Limestone	1317-65-3
1,3,5-Triglycidyl Isocyanurate	2451-62-9
Mica	12001-26-2
Titanium Dioxide	13463-67-7
Amorphous Silica	112926-00-8
Iron Oxide	1309-37-1
Carbon Black	1333-86-4
Pentaerythritol tetrakis	6683-19-8
Tris(2,4-ditert-butylphenyl) phosphite	31570-04-4
Crystalline Silica	14808-60-7
Iron Oxide	1317-61-9
Aluminum Oxide	1344-28-1
Amorphous Pyrogenic Silica	112945-52-5



RDINAL SAFETY DATA SHEET

16. OTHER INFORMATION

Other Product Information:

% Volatile by Volume :	0.00
% Solids by volume :	100.00

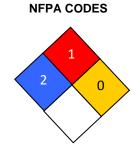
% Volatile by Weight :	0.00
% Solids by Weight :	100.00

VOC CONTENT:

Content tested per EPA METHOD 24, ASTM D2369 is less than 1% Wt/Wt.

HMIS RATING

Health :	2
Flammability :	1
Reactivity :	0
Personal Protection :	E



MANUFACTURER DISCLAIMER : The information contained in this Safety Data Sheet is considered to be true and accurate. Cardinal Paint and Powder makes no warranties, expressed or implied, as to the accuracy and adequacy of this information. This data is offered solely for the user's consideration, investigation and verification.