

T007-GN13 DOT GREEN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: T007-GN13 DOT GREEN **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
Titanium Dioxide	1% - 5%	13463-67-7

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



SAFETY DATA SHEET

ISSUED: 8/13/2018 REFERENCE: GN13-T007

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	
Amorphous Silica(112926-00-8)			
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)			
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)			
NIOSH REL (Recommended Exposure	TWA (Time Weighted Average)	0.1mg of PAHs/cm3 10 hours	
Limit)			
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	
Silicon Dioxide(7631-86-9)			
USA NIOSH	USA NIOSH TWA (REL)	6 mg/m3	
USA OSHA	USA OSHA TWA (Table Z-3)	20 mppcf	
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	:	1.5876
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

1,3,5-Triglycidyl Isocyanurate(2451-62-9)	
Acute toxicity - LD50 - oral - rat	100 - 200 mg/kg
Acute toxicity - LC50 - inhalation - rat - male - 4 h	> 650 mg/m3
Acute toxicity - LD50 - Dermal - rat- male	> 2000 mg/kg
& female	Mild akin imitation 24 hours
Skin irritation - rabbit Eye irritation - rabbit	Mild skin irritation - 24 hours Severe eye irritation
Respiratory or skin sensation -	May cause sensitization by skin contact
Maximization test - guinea pig	Hay Cause sensitization by skin contact
Germ cell mutagenicity	In vivo tests showed mutagenic effects
Germ cell mutagenicity - AMES test - S. typhimurium	Positive
Germ cell mutagenicity - AMES test - mouse - male	Positive
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 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
Amorphous Silica(112926-00-8)	<u> </u>
Acute toxicity	no data available
Acute toxicity: Inhalation	no data available
Acute toxicity: Inhalation Acute toxicity: Dermal	no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation	no data available no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation	no data available no data available no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation	no data available no data available no data available no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity	no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation	no data available not classifiable as to its carcinogenicity to humans no component of this product present at levels greater than or equal to
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3:	no data available not classifiable as to its carcinogenicity to humans 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 no component of this product present at levels greater than or equal to
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Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3: ACGIH NTP OSHA Reproductive toxicity Specific target organ toxicity - single	no data available not classifiable as to its carcinogenicity to humans 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 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 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 no data available
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3: ACGIH NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated	no data available not classifiable as to its carcinogenicity to humans 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 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 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 no data available no data available no data available
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Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3: ACGIH NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information	no data available not classifiable as to its carcinogenicity to humans 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 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 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 no data available no data available no data available 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
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Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3: ACGIH NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information Additional information Barium Sulfate(7727-43-7) Acute toxicity - inhalation	no data available not classifiable as to its carcinogenicity to humans 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 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 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 no data available no data available no data available no data available 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. Stomach - irregularities - based on human evidence
Acute toxicity: Inhalation Acute toxicity: Dermal Skin irritation Eye irritation Respiratory or skin sensation Germ cell mutagenicity Carcinogenicity: IARC: Group 3: ACGIH NTP OSHA Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Additional information Barium Sulfate(7727-43-7)	no data available not classifiable as to its carcinogenicity to humans 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 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 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 no data available no data available no data available no data available no data available Therefore, amorphous 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. Stomach - irregularities - based on human evidence



Eye irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity - mouse -	No reported data
micronucleus test	No reported data
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
IARC	
	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
B 1 11 1 1 1 1	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	NO data available
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)	Storius in egularities sused on naman evidence
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 406)
Germ cell mutagenicity	Ames test, S. typhimurium, negative
Hamster - Ovary	Negative
DNA repair - Rat - Female	Negative
Carcinogenicity - Rat - Inhalation	Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or
	Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. This product is or contains a component that has
	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,
Carcinogenicity - Rat - Inhalation	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.
Carcinogenicity - Rat - Inhalation IARC	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)
Carcinogenicity - Rat - Inhalation	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
Carcinogenicity - Rat - Inhalation IARC NTP	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
Carcinogenicity - Rat - Inhalation IARC	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 No component of this product present at levels greater than 0.1% is
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Carcinogenicity - Rat - Inhalation IARC NTP OSHA	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 No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity	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 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
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Organ toxicity	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical,
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1)	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated.
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated.
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available `No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization Germ cell mutagenicity	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity - rat - subcutaneous	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical , physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available Ricci carcinogenic agent by RTECS criteria. Tumors at site of appilcation.
Carcinogenicity - Rat - Inhalation IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization Germ cell mutagenicity	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical , physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available No data available Requivocal tumorogenic agent by RTECS criteria. Tumors at site of appilcation. This product is or contains a component that is not classifiable as to its
IARC NTP OSHA Reproductive toxicity Organ toxicity Organ toxicity Aspiration hazard Additional Information Iron Oxide(1309-37-1) Acute toxicity Acute toxicity - dermal Skin irritation - human Eye irritation - human Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity - rat - subcutaneous	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 to 0.1% 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 Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available No data available RTECS: FF5800000 To the best of our knowledge, the chemical , physical, and toxicological properties have not been throughly investigated. No data available No data available Skin irritation Moderate eye irritation No data available Ricci carcinogenic agent by RTECS criteria. Tumors at site of appilcation.



NTP	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.
OSHA	No component of this product present at levels greater than or equal to
OSHA	
	0.1% is identified as ca carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single	inhalation - may cause respiratory irritation.
exposure	
Specific target organ toxicity - repeated	No data available
exposure	
Aspiration hazard	No data available
Additional information	Long term inhalation exposure to iron (oxide fume or dust) can cause
Additional information	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
	have not been thoroughly investigated.
Silicon Dioxide(7631-86-9)	
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 sensitisation	No data available
Germ cell mutagenicity	No data available
IARC	Group 3: Not classifiable as to its carcinogenicity to humans (Silicon
	dioxide)
ACGIH	No component of this product present at levels greater than or equal to
ACGITI	0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP	
NIP	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	Tro data available
Specific target organ toxicity - repeated	No data available
	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 (silicon dioxide)
Titanium Dioxide(13463-67-7)	
Acute toxicity - LD50 - oral - rat	> 10000 mg/kg
Acute toxicity - inhalation	No data available
	> 10000 mg/kg
Acute toxicity - LD50 - dermal - rabbit	3, 3
Skin irritation - human	Mild skin irritation - 3 h
Eye irritation - rabbit	No eye irritation
Respiration or skin sensitisation	Will not occur
Germ cell mutagenicity - hamster - ovary -	No results available
micronucleus test	
Germ cell mutagenicity - hamster - lungs	DNA inhibition
Germ cell mutagenicity - hamster - ovary -	No results available
	INO LESUITS AVAILANCE
sister chromatid exchange	N 1 1 1 1
Germ cell mutagenicity - mouse -	No results available
micronucleus test	
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
USHA	
	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
. op., acion nazara	aaaa a.anabic



SAFETY DATA SHEET

ISSUED: 8/13/2018 **REFERENCE:** GN13-T007

Additional information	To the best of our knowledge, the chemical, physical, and toxicological
	properties have not been thoroughly investigated

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:	, and the second
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
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)	not available, not required
Toxicity	No data available
Persistence and degradability	The methods for determining biodegradability are not applicable in
r crosserice and acgradability	inorganic substances
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB	not available/not required
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	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	Guideline 201) No data available
Persistence and degradability Bioaccumulative potential	Guideline 201) No data available No data available
Persistence and degradability	Guideline 201) No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment	Guideline 201) No data available No data available
Persistence and degradability Bioaccumulative potential Mobility in soil	Guideline 201) No data available No data available No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment	Guideline 201) No data available No data available No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1)	Guideline 201) No data available No data available No data available Not available/not required
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity	Guideline 201) No data available No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil	Guideline 201) No data available No data available No data available Not available/not required No data available No data available No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects	Guideline 201) No data available No data available No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9)	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvP	Guideline 201) No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvP Titanium Dioxide(13463-67-7)	Guideline 201) No data available No data available No data available Not available/not required No data available Not available/not required No data available
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvP Titanium Dioxide(13463-67-7) Toxicity to fish - LC50 - other fish	Guideline 201) No data available No data available Not available/not required No data available Not available/not required No data available No data available/not required
Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB assessment Iron Oxide(1309-37-1) Toxicity Persisitence and degradability Bioaccumulative potential Mobility in soil PBT and vPvB Other adverse effects Silicon Dioxide(7631-86-9) Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil PBT and vPvP Titanium Dioxide(13463-67-7) Toxicity to fish - LC50 - other fish Toxicity to daphnia and other aquatic	Guideline 201) No data available No data available Not available/not required No data available Not available/not required No data available No data available/not required



Toxicity to daphnia and other aquatic invertebrates - ECO - Daphnia magna (water flea)	1000 mg/L / 48 h
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

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

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

ISSUED: 8/13/2018 REFERENCE: GN13-T007

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
Titanium Dioxide	13463-67-7

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

National Regulations Key

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

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



RDINAL SAFETY DATA SHEET

ISSUED: 8/13/2018 REFERENCE: GN13-T007

STATE REGULATIONS **CALIFORNIA PROPOSITION 65**

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

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 WWWPROP65.CA.GOV.

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 WWWPROP65.CA.GOV.

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 WWWPROP65.CA.GOV.

Massachusetts Right to Know

This product contains	Chemical CAS#
Barium Sulfate	7727-43-7
Titanium Dioxide	13463-67-7
Amorphous Silica	112926-00-8
Silicon Dioxide	7631-86-9
Carbon Black	1333-86-4
Iron Oxide	1309-37-1

Pennsylvania Right to Know

This product contains	Chemical CAS#
Barium Sulfate	7727-43-7
Titanium Dioxide	13463-67-7
Amorphous Silica	112926-00-8
Silicon Dioxide	7631-86-9
Carbon Black	1333-86-4
Iron Oxide	1309-37-1

New Jersey Right to Know

This product contains	Chemical CAS#	
Barium Sulfate	7727-43-7	
1,3,5-Triglycidyl Isocyanurate	2451-62-9	
Titanium Dioxide	13463-67-7	
Amorphous Silica	112926-00-8	
Silicon Dioxide	7631-86-9	
Carbon Black	1333-86-4	
Iron Oxide	1309-37-1	



RDINAL SAFETY DATA SHEET

ISSUED: 8/13/2018 REFERENCE: GN13-T007

16. OTHER INFORMATION

Other Product Information:

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

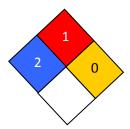
VOC CONTENT:

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

NFPA CODES



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