# T375-BK10 GOLD

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** T375-BK10 GOLD
**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 :**
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H318 Causes serious eye damage.
H340 May cause genetic defects.

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Weight % | CAS Number |
|---|---|---|
| 1,3,5-Triglycidyl Isocyanurate | 1% - 5% | 2451-62-9 |
| Copper | 1% - 5% | 7440-50-8 |
| Carbon Black | 0.50% - 0.99% | 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.

**ENVIROMENTAL 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 |
| Carbon Black(1333-86-4) | | |
| ACGIH TLV (Threshold Limit Value) | TWA (Time Weighted Average) | 3 mg/m3 8 hours |
| NIOSH REL (Recommended Exposure Limit ) | TWA (Time Weighted Average) | 0.1mg of PAHs/cm3 10 hours |
| NIOSH REL (Recommended Exposure Limit) | TWA (Time Weighted Average) | 3.5 mg/m3 8 hours |
| OSHA PEL (Permissible Exposure Limit) | TWA (Time Weighted Average) | 3.5 mg/m3 8 hours |
| Copper(7440-50-8) | | |
| ACGIH TLV (Threshold Limit Value) | TWA (Time Weighted Average) | 1 mg/m3 8 hours |
| NIOSH REL (Recommended Exposure Limit) | TWA (Time Weighted Average) | 1 mg/m3 10 hours |
| OSHA PEL (Permissible Exposure Limit) | TWA (Time Weighted Average) | 1 mg/m3 8 hours |
| E-Caprolactam(105-60-2) | | |
| ACGIH TLV (Threshold Limit Value) | TWA ( Time Weighted Average) | 5mg/m3 8 hours |
| Ethylene Glycol(107-21-1) | | |
| ACGIH TLV (Threshold Limit Value) | ACGIH C (Ceiling) | 100 mg/m3 |

**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** | : | 1.5651 |
| **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) |

| | |
|---|---|
| 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 |
| Acute toxicity - LC50 - inhalation - rat - male - 4 h | > 650 mg/m3 |
| Acute toxicity - LD50 - Dermal - rat- male & female | > 2000 mg/kg |
| Acute toxicity - LD50 - oral - rat | 100 - 200 mg/kg |
| Additional information | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated |
| Aspiration hazard | No data available |
| Eye irritation - rabbit | Severe eye irritation |
| Germ cell mutagenicity | In vivo tests showed mutagenic effects |
| Germ cell mutagenicity - AMES test - mouse - male | Positive |
| Germ cell mutagenicity - AMES test - S. typhimurium | 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 |
| 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 |
| Respiratory or skin sensation - Maximization test - guinea pig | May cause sensitization by skin contact |
| Skin irritation - rabbit | Mild skin irritation - 24 hours |
| Specific target organ toxicity - repeated exposure | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Amorphous Silica(112926-00-8) | |
| 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 |
| Acute toxicity | no data available |
| Acute toxicity: Dermal | no data available |
| Acute toxicity: Inhalation | 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 |
| Aspiration hazard | no data available |
| Carcinogenicity: IARC: Group 3: | not classifiable as to its carcinogenicity to humans |
| Eye irritation | no data available |
| Germ cell mutagenicity | no data available |
| 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 |
| Respiratory or skin sensation | no data available |
| Skin irritation | no data available |
| Specific target organ toxicity - repeated exposure | no data available |
| Specific target organ toxicity - single exposure | no data available |
| Barium Sulfate(7727-43-7) | |
| 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 |
| Acute toxicity - Dermal | No data available |
| Acute toxicity - inhalation | 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 |
| Aspiration hazard | No data available |
| Carcinogenicity - rat - intrapleural - tumorigenic | Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors |
| Eye irritation | No data available |
| Germ cell mutagenicity - mouse - micronucleus test | No reported data |
| 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 |
| Respiratory or skin sensation | No data available |
| Skin irritation | No data available |
| Specific target organ toxicity - repeated exposure | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Carbon Black(1333-86-4) | |
| Aspiration hazard | No data available |
| 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. |
| DNA repair - Rat - Female | Negative |
| Eye damage/irritation - Rabbit | No eye irritation, (OECD Test Guideline 405) |
| Germ cell mutagenicity | Ames test, S. typhimurium, negative |
| Hamster - Ovary | Negative |
| IARC | 2B - Group 2B: Possibly carcinogenic to humans (carbon black) |
| LD50 Dermal - Rabbit | > 3,000 mg/kg |
| LD50 Inhalation - Rat | No data available |
| LD50 Oral - Rat | > 8,000 mg/kg, male and female, (OECD Test Guideline 401) |
| NTP | No component of this product present at levels greater than or equal to0.1% is identified as a known or anticipated carcinogen by NTP |
| Organ toxicity | Specific target organ toxicity - repeated exposure: No data available |
| Organ toxicity | Specific target organ toxicity - single exposure: No data available |
| OSHA | No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA |
| Reproductive toxicity | No data available |
| Respiratory/skin sensitization - Guinea pig | Did not cause sensitization on laboratory animals, (OECD Test Guideline 406) |
| Skin corrosion/irritation | No skin irritation - 24 h, (OECD Test Guideline 404) |
| Copper(7440-50-8) | |
| LD50 Intraperitoneal - Mouse | 3.5 mg/kg |
| Serious eye damage/eye irritation | May irritate eyes |
| Skin corrosion/irritation | May irritate skin |
| E-Caprolactam(105-60-2) | |
| Acute toxicity - LC50 - inhalation - mouse | 450 mg/m3 : Muscle contraction or spasticity |
| Acute toxicity - LC50 - inhalation - rat | 300 mg/m3 |
| Acute toxicity - LD50 - dermal - rat | > 2000 mg/kg |
| Acute toxicity - LD50 - oral - rat | 1210 mg/kg |
| Additional information | Convulsions, 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 |
| Aspiration hazard | No data available |
| Behavioral | Convulsions or effect on seizure threshold. |
| Carcinogenicity | This product is or contains a component that is probably not carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. |
| Eye irritation - rabbit | Moderate eye irritation - 24 h |

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|---|---|
| IARC | Group 4: Probably not carcinogenic to humans |
| 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 |
| Nutritional and Gross Metabolic - changes in body temperature | Decrease |
| 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 |
| Remarks | Sense organs and special senses (nose, eye, ear and taste): Eye: Chromodacryorrhea |
| Reproductive toxicity | No data available |
| Respiration or skin sensitization - germ cell mutagenicity | No data available |
| Skin irritation - rabbit | Mild skin irritation - 24 h |
| Specific target organ toxicity - repeated exposure | No data available |
| Specific target organ toxicity - single exposure | May cause respiratory irritation |
| Ethylene Glycol(107-21-1) | |
| Additional Information | RTECS: KW2975000 When ingested early symptoms mimic alcohol inebriation and are followed by nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema, hypocalcemic tetany, and severe metabolic acidosis. Without treatment, death may occur in 8 to 24 hours. Victims who survive the initial toxicity period usually develop renal failure along with brain and liver damage. Exposure to and/or consumption of alcohol may increase toxic effects. Central nervous system - Irregularities - Based on Human Evidence Central nervous system - Irregularities - Based on Human Evidence |
| Aspiration hazard | No data available. |
| Carcinogenicity | This product is or contains a component that is probably not carcinogenic 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 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. |
| Germ cell mutagenicity | No data available. |
| Inhalation | No data available. |
| LD50 Dermal - Rabbit | 10,626 mg/kg, Dermal - Rabbit |
| LD50 Oral - Rat - Acute toxicity | 4,700 mg/kg, Oral- Rat |
| Reproductive toxicity | Laboratory experiments have shown teratogenic effects. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. |
| Respiratory or skin sensitization | No data available. |
| Serious eye damage/eye irritation | Eyes - Rabbit Result: Mild eye irritation - 24 h |
| Skin corrosion/irritation | Skin - Rabbit Result: No skin irritation |
| Specific target organ toxicity - repeated | Oral - May cause damage to organs through prolonged or repeated exposure. - Kidney |
| Specific target organ toxicity - single exposure | No data available. |
| Zinc(7440-66-6) | |
| 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 |
| Acute toxicity - dermal | No data available |
| Acute toxicity - inhalation | No data available |
| Additional information | Effects due to ingestion may include; chills, dry throat, sweet taste, fever, cough, nausea, vomiting, weakness, contact with eyes or skin may cause irritation |
| Aspiration hazard | No data available |
| Eye irritation | No data available |
| Germ cell mutagenicity | No data 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 pressent 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 |
| Respiratory or skin sensitization | Did not cause sensitization on laboratory animals |
| Skin irritation | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity- repeated exposure | No data available |

## 12. ECOLOGICAL INFORMATION

| 1,3,5-Triglycidyl Isocyanurate(2451-62-9) | |
|---|---|
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| 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 |
| PBT & vPvB | not available/not required |
| Persistence and degradability - biodegradability - aerobic - exposure time: 44 d | 0.5 - 1% - not biodegradable |
| Toxicity to algae - growth inhibition - EC50 - Desmodesmus subspicatus | 29 - 30 mg/l - 72 h |
| Toxicity to bacteria - Respiration inhibition - IC50 - Sludge Treatment | > 100 mg/l 3 h |
| Toxicity to daphnia and other aquatic invertebrates - Immobilization - EC50 - daphnia magna (water flea) | > 100 mg/l - 24 h |
| Toxicity to fish - static test LC50 - danio rerio (zebra fish) | > 77 mg/l - 96 h |
| Amorphous Silica(112926-00-8) | |
| Bioaccumulative potential | no data available |
| Mobility in soil | no data available |
| PBT and vPvB | not available/not required |
| Persistence and degradability | no data available |
| Toxicity | no data available |
| Barium Sulfate(7727-43-7) | |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| PBT and vPvB | not available/not required |
| Persistence and degradability | The methods for determining biodegradability are not applicable in inorganic substances |
| Toxicity | No data available |
| Carbon Black(1333-86-4) | |
| Bioaccumulative potential | No data available |
| EC50 Toxicity to algae | Desmodesmus subspicatus (green algae > 10,000 mg/l - 72 h (OECD Test Guideline 201) |
| EC50 Toxicity to daphnia and other aquatic invertebrates | Daphnia magna (Water flea) > 5600 mg/l - 24 h (OECD Test Guideline 202) |
| Mobility in soil | No data available |
| PBT and vPvB assessment | Not available/not required |
| Persistence and degradability | No data available |
| Toxicity to fish LC50 | Danio rerio (zebra fish) >1000 mg/l - 96 h |
| Copper(7440-50-8) | |
| Toxicity to daphnia and other invertebrates | EC50 - Daphnia magma (Water flea) - 0.04 - 0.05 mg/l - 48 h |
| Toxicity to daphnia and other invertebrates | mortality NOEC - Daphnia (water flea) - 0.004 mg/l - 24 h |
| Toxicity to fish | mortality LOEC - Oncorhynchus mykiss (rainbow trout - 0.022 mg/l - 96h |
| E-Caprolactam(105-60-2) | |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| PBT and vPvB | not available/not required |
| Persistence and degradability | No data available |
| Toxicity to algae - EC50 - green algae | 4320 - 4800 mg/l - 72 h |

| | |
|---|---|
| Toxicity to daphnia and other aquatic invertebrates - EC50 - Daphnia magna (water flea) | 828 - 2920 mg/l - 48 h |
| Ethylene Glycol(107-21-1) | |
| Bioaccumulative potential | Does not bioaccumulation. Bioaccumulation other fish - 61 d - 50 mg/l Bioconcentration factor (BCF): 0.60 |
| EC50 - Daphnia magna - | 24,000 mg/l - 48 h, Daphnia magna (Water flea) |
| EC50 - Daphnia magna - Toxicity to daphnia and other aquatic invertebrates | 74,000 mg/l - 24 h, Daphnia magna (Water flea) |
| LC50 - Daphnia magna - | 41,000 mg/l - 48 h, Daphnia magna (Water flea) |
| LC50 - Leuciscus idus | 10,000 mg/l - 48 h, Leuciscus idus (Golden orfe) |
| LC50 - Oncorhynchus mykiss - toxicity to fish | 18,500 mg/l - 96 h, Oncorhynchus mykiss (rainbow trout) |
| Mobility in soil | No data available. |
| NOEC - Pimephales promelas | 32,000 mg/l - 7d, Pimephales promelas (fathead minnow) |
| NOEC - Pimephales promelas | 39,140 mg/l - 96 h, Pimephales promelas (fathead minnow) |
| Other adverse effects | No data available. |
| Persistence and degradability | Ratio BOD/ThBOD 0.78 % 12.3 |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted |
| Zinc(7440-66-6) | |
| Bioaccumulative potential - algae | 5 ug/L / 7 d |
| Bioaccumulative potential - bioconcentration factor | 466 |
| Mobility in soil | No data available |
| Other adverse effects | An environmental hazard cannot be excluded in the event of unproffesional handling or disposal. Very toxic to aquatic life with long lasting effects. |
| PBT and vPvB | Not available/not required |
| Persistence and degradability | The methods for determining the biological degradability are not applicable to inorganic substances. |
| Toxicity to daphnia and other aquatic invertebrates - LC50 - daphnia magna | 0.068 mg/L / 48 h |
| Toxicity to daphnia and other aquatic invertebrates - mortality NOEC - daphnia | 0.101 - 0.14 mg/L / 7 d |
| Toxicity to fish - LC50 - carp | 450 ug/L / 96 h |

## 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 RESTRCITIONS 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.

## 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 |
| Copper | 7440-50-8 |
| Carbon Black | 1333-86-4 |

**SARA 313 :**

This Product Contains Zinc Powder (CAS 7440-66-6)
This Product Contains Copper Powder (CAS 7440-50-8)

**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# |
|---|---|
| #Carbon Black | 1333-86-4 |

***National Regulations Key***
# Indicates a chemical listed by IARC as a possible carcinogen.

**STATE REGULATIONS**
**CALIFORNIA PROPOSITION 65**

***California Proposition 65 Key***
*****This product contains (a) chemical (s) known to the State of California to cause cancer.
#This product contains (a) chemical (s) known to the State of California to be carcinogenic.
+This product contains (a) chemical (s) known to the State of California to cause birth defects or other reproductive harm.

**Massachusetts Right to Know**

| This product contains | Chemical CAS# |
|---|---|

| | |
|---|---|
| Barium Sulfate | 7727-43-7 |
| Copper | 7440-50-8 |
| Carbon Black | 1333-86-4 |
| Zinc | 7440-66-6 |
| Ethylene Glycol | 107-21-1 |
| Amorphous Silica | 112926-00-8 |
| E-Caprolactam | 105-60-2 |

**Pennsylvania Right to Know**

| **This product contains** | **Chemical CAS#** |
|---|---|
| Barium Sulfate | 7727-43-7 |
| 1,3,5-Triglycidyl Isocyanurate | 2451-62-9 |
| Copper | 7440-50-8 |
| Carbon Black | 1333-86-4 |
| Zinc | 7440-66-6 |
| Ethylene Glycol | 107-21-1 |
| Amorphous Silica | 112926-00-8 |
| E-Caprolactam | 105-60-2 |

**New Jersey Right to Know**

| **This product contains** | **Chemical CAS#** |
|---|---|
| Barium Sulfate | 7727-43-7 |
| 1,3,5-Triglycidyl Isocyanurate | 2451-62-9 |
| Copper | 7440-50-8 |
| Carbon Black | 1333-86-4 |
| Zinc | 7440-66-6 |
| Ethylene Glycol | 107-21-1 |
| Amorphous Silica | 112926-00-8 |
| E-Caprolactam | 105-60-2 |

## 16. OTHER INFORMATION

**Other Product Information:**

| | | | |
|---|---|---|---|
| % Volatile by Volume : | 0.05 | % Volatile by Weight : | 0.03 |
| % Solids by volume : | 99.95 | % Solids by Weight : | 99.97 |

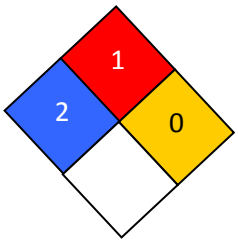
**VOC CONTENT:**

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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