

**T009-YL14 YELLOW****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** T009-YL14 YELLOW  
**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
Titanium Dioxide	1% - 5%	13463-67-7
1,3,5-Triglycidyl Isocyanurate	1% - 5%	2451-62-9
PIGMENT YELLOW 139	1% - 5%	36888-99-0

**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/m <sup>3</sup> 8 hours
E-Caprolactam(105-60-2)		
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	5mg/m <sup>3</sup> 8 hours
Hydrated magnesium silicate(14807-96-6)		
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	2 mg/m <sup>3</sup> (Respirable Fraction) 8 hours
NIOSH REL(Recommended Exposure Limit)	TWA (Time Weighted Average)	2 mg/m <sup>3</sup> (Respirable Fraction) 10 hours
Titanium Dioxide(13463-67-7)		
ACGIH TLV (Threshold Limit Value)	TWA (Time Weighted Average)	10 mg/m <sup>3</sup> 8 hours
OSHA PEL (Permissible Exposure Limit)	TWA (Time Weighted Average)	15 mg/m <sup>3</sup> 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**

<b>Physical state</b>	:	Solid
<b>Melting point</b>	:	55 - 90 deg C
<b>Flash point</b>	:	No data available.
<b>Lower explosion limit</b>	:	10 g/m <sup>3</sup>
<b>Upper explosion limit</b>	:	70 g/m <sup>3</sup>
<b>Density</b>	:	1.5548
<b>Solubility</b>	:	No data available.
<b>Autoignition temperature</b>	:	No data available.
<b>Decomposition temperature</b>	:	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/m <sup>3</sup>
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
<b>Amorphous Silica(112926-00-8)</b>	
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
<b>Barium Sulfate(7727-43-7)</b>	
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
<b>E-Caprolactam(105-60-2)</b>	
Acute toxicity - LC50 - inhalation - mouse	450 mg/m <sup>3</sup> : Muscle contraction or spasticity
Acute toxicity - LC50 - inhalation - rat	300 mg/m <sup>3</sup>
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
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
<b>Hydrated magnesium silicate(14807-96-6)</b>	
Acute toxicity - dermal	No data available
Acute toxicity - inhalation	No data available
Additional information	Stomach irregularities based on human evidence
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Aspiration hazard	No data available
Carcinogenicity - rat - inhalation	Equivocal tumorigenic agent by RTECS criteria. Lungs, thorax, or respiration: Tumors
Eye irritation	No data available
Germ cell mutagenicity	No data available
IARC	Group 3: Not classifiable as to its carcinogenicity 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
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 sensitisation	No data available
Skin irritation - human	Mild skin irritation 3 h



Specific target organ toxicity - repeated exposure	No data available
Specific target organ toxicity - single exposure	No data available
<b>Pigment Yellow 139(36888-99-0)</b>	
Acute symptoms/signs of exposure	No applicable information found concerning any adverse acute health effects from overexposure to product.
Acute toxicity - oral - LD50 - rat	> 10000 mg/kg
Acute toxicity - BASF test - eye irritation - rabbit	Non irritant
Acute toxicity - BASF test - skin irritation - rabbit	Non-irritant
Acute toxicity - dermal	No data available
Acute toxicity - inhalation	No data available
Acute toxicity - inhalation - LC50	Not determined
Acute toxicity - LD50 - oral -rat	> 5000 mg/kg
Acute toxicity - oral - LD50	> 2000 mg/kg
Aspiration hazard	No data available
Aspiration hazard	Not applicable
Assessment of acute toxicity	Virtually nontoxic after single ingestion. Virtually nontoxic after a single skin contact.
Carcinogenicity	No data available concerning carcinogeni effects.
Carcinogenicity	None
Carcinogenicity - assessment	No information available
Chronic effects	Inhalation of airborne particles may cause transient irritation in mouth, nose and throat.
Experience with human exposure - general information	The possible symptoms known are those derived from the labeling (see section 2 of MSDS)
Eye irritation	No eye irritation
Eye irritation - rabbit - OECD Guideline 405	Non-irritant
Further infomation	By analogy with similar products of similar composition
Genetic toxiciry - assessment of mutagenicity	The substance was not mutagenic in bacteria.
Germ cell mutagenicity - Ames test - genotoxicity in vitro	Negative with and without metabolic activation
Germ cell mutagenicity - assessment	No information available
IARC	Not listed
Ingestion	Irritation and burning sensations of mouth and throat, nausea, vomitting and abdominal pain.
Inhalation	Irritation of mucous membranes, coughing, wheezing, shortness of breath.
NTP	Not listed
OSHA	Not listed
Primary irritation - rabbit	Non-irritating skin and eyes
Primary routes of exposure	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.
Repeated dose toxicity	No known chronic effects.
Repeated dose toxicity	This information is not available
Reporoductive toxicity - assessment	No information available
Reproductive toxicity	The chemical structure does not suggest a specific alert for such an effect.
Reproducutive toxicity	Not available
Sensitization	None expected.
Sensitization	The chemical structure does not suggest a sensitizing effect.
Skin irritation	No skin irritation
Skin irritation - rabbit - BASF test	Non-irritant
STOT - repeated exposure	No data available
STOT - single exposure	No data available
Symptoms of exposure	The most important known symptoms and effects are described in the labelling (see section 2 of MSDS). Further important symptoms and effects are so far not known.
Teratogenicity	No data was available concerning toxicity to development.
Toxiciological data	This product has reported an acute LD50 value of 5000 mg/kg or greater in rats.
<b>Titanium Dioxide(13463-67-7)</b>	
Acute toxicity - inhalation	No data available



Acute toxicity - LD50 - dermal - rabbit	> 10000 mg/kg
Acute toxicity - LD50 - oral - rat	> 10000 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	No eye irritation
Germ cell mutagenicity - hamster - lungs	DNA inhibition
Germ cell mutagenicity - hamster - ovary - micronucleus test	No results available
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
Respiration or skin sensitisation	Will not occur
Skin irritation - human	Mild skin irritation - 3 h
Specific target organ toxicity - repeated exposure	No data available
Specific target organ toxicity - single exposure	No data available
<b>Yellow Pigment(36888-99-0)</b>	
Acute toxicity - LC50	Not determined
Acute toxicity - LD50	Not determined

**12. ECOLOGICAL INFORMATION**

<b>1,3,5-Triglycidyl Isocyanurate(2451-62-9)</b>	
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 - <i>Desmodesmus subspicatus</i>	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 - <i>daphnia magna</i> (water flea)	> 100 mg/l - 24 h
Toxicity to fish - static test LC50 - <i>danio rerio</i> (zebra fish)	> 77 mg/l - 96 h
<b>Amorphous Silica(112926-00-8)</b>	
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
<b>Barium Sulfate(7727-43-7)</b>	
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
<b>E-Caprolactam(105-60-2)</b>	





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
<b>Hydrated magnesium silicate(14807-96-6)</b>	
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
<b>Pigment Yellow 139(36888-99-0)</b>	
Acute and prolonged toxicity to fish - golden orge - LC50	> 500 mg/L / 96 h
Acute toxicity to aquatic invertebrates - daphnia magna - EC50	> 500 mg/L / 48 h
Additional ecological information	Read-across (Analogy)
Additional information - other ecotoxicological advice	The inhibition of the degradation activity in activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Adsorbable organically-bound halogen	Approximately 3% - The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters
Aquatic onvertebrates - EC50 - daphnia magna	10 -100 mg/L / 48 h
Assessment of aquatic toxicity	Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Assessment of bioaccumulative potential	Does not significantly accumulate in organisms.
Bioaccumulative potential - bioaccumulation	No data available
Biodegradation evaluation	Well eliminable from water by absorption or activated sludge. The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants
Chronic toxicity to aquatic invertebrates	No data available
Chronic toxicity to fish	No data available
Ecotoxicity	Nont considered an environmental hazard.
Environmental fate	When released into the soil, this material may leach into groundwater. This material may be removed from the atmosphere to a moderate extent by wet deposition. Organic pigments are generally insoluble compounds, and as such are believed to have minimal bioaccumulation and bio-availability characterisitcs.
Environmental fate and pathways	No data available
Environmental toxicity	No information found
Mobility in soil	No data available
Mobility in soil - assessment of transport between environmental compartments	The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is expected. The product has not been tested. The statement is derived from the properties of the individual components.
Other ecotoxicological advice	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations
PBT and vPvB	No data available
Persistence and degradability - assessment biodegradation and elimination (H2O).	The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.
Persistence and degradability - biodegradability	The low solubility of this material did not permit testing for degradability in accordance with the OECD 301E
Persistence and degradability - elimination information	Well eliminable from water by adsorption on activated sludge.
Toxicity to algae - EC10 - Scenedesmus subspicatus - OECD test guideline 201	> 10 mg/L / 72 h : No toxicity at the limit of solubility
Toxicity to bacteria - EC50 - activated sludge - OECD test guideline 209	> 500 mg/L
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to fish - LC50 - Orycias latipes	> 5000 mg/L / 96 h





Toxicity to microorganisms - DIN 38412 part 27 - bacterium - EC50	> 1000 mg/L
<b>Titanium Dioxide(13463-67-7)</b>	
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPbV	Not available/not required
Persistence and degradability	No data available
Toxicity to daphnia and other aquatic invertebrates - EC0 - Daphnia magna (water flea)	1000 mg/L / 48 h
Toxicity to daphnia and other aquatic invertebrates - EC50 - Daphnia magna (water flea)	> 1000 mg/L / 48 h
Toxicity to fish - LC50 - other fish	> 1000 mg/L / 96 h
<b>Yellow Pigment(36888-99-0)</b>	
Ecological information	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 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.

<b>This product contains:</b>	<b>Chemical CAS#</b>
Titanium Dioxide	13463-67-7
1,3,5-Triglycidyl Isocyanurate	2451-62-9
PIGMENT YELLOW 139	36888-99-0

**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**

<b>This product contains:</b>	<b>Chemical CAS#</b>
#Titanium Dioxide	13463-67-7

**National Regulations Key**

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

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

<b>This product contains:</b>	<b>Chemical CAS#</b>
*Titanium Dioxide	13463-67-7
*Hydrated magnesium silicate	14807-96-6

**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**

<b>This product contains</b>	<b>Chemical CAS#</b>
Barium Sulfate	7727-43-7
Titanium Dioxide	13463-67-7
Amorphous Silica	112926-00-8
Hydrated magnesium silicate	14807-96-6
E-Caprolactam	105-60-2

**Pennsylvania Right to Know**

<b>This product contains</b>	<b>Chemical CAS#</b>
Barium Sulfate	7727-43-7
Titanium Dioxide	13463-67-7
1,3,5-Triglycidyl Isocyanurate	2451-62-9
Amorphous Silica	112926-00-8
Hydrated magnesium silicate	14807-96-6
E-Caprolactam	105-60-2

**New Jersey Right to Know**

<b>This product contains</b>	<b>Chemical CAS#</b>
Barium Sulfate	7727-43-7
Titanium Dioxide	13463-67-7
1,3,5-Triglycidyl Isocyanurate	2451-62-9
Amorphous Silica	112926-00-8
Hydrated magnesium silicate	14807-96-6
E-Caprolactam	105-60-2



**16. OTHER INFORMATION**

**Other Product Information:**

% Volatile by Volume :	0.01	% Volatile by Weight :	0.01
% Solids by volume :	99.99	% Solids by Weight :	100.00

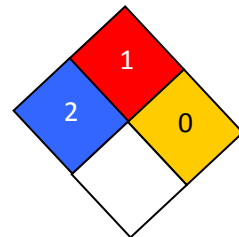
**VOC CONTENT:**

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**



**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.