1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** T209-CL01 CLEAR (40 LB BXS)  
**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3,5-Triglycidyl Isocyanurate</td>
<td>5% - 10%</td>
<td>2451-62-9</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Description of first aid measures.**

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

**SKIN CONTACT :** Remove affected clothing and wash all exposed area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Wash with plenty of soap and water. Get medical advice/attention. Wash contaminated clothing before reuse. Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
INGESTION: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a Poison Center or doctor/physician if you feel unwell.

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

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

5. FIRE FIGHTING MEASURES

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

UNSUITABLE EXTINGUISHING MEDIA: Do not use heavy water stream.

FIRE FIGHTING PROCEDURE: Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment.

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

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

6. ACCIDENTAL RELEASE MEASURES

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

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

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

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

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

7. HANDLING AND STORAGE

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

Hygiene measures: Wash Skin thoroughly after handling.

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

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Source of ignition. Direct sunlight.
8. EXPOSURE CONTROLS \ PERSONAL PROTECTION

| 1,3,5-Triglycidyl Isocyanurate(2451-62-9) | ACIGIH TLV (Threshold Limit Value) | TWA (Time Weighted Average) | 0.05 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/m³ |
| Upper explosion limit | 70 g/m³ |
| Density | 1.2150 |
| 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.


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 & female | > 2000 mg/kg |
| Skin irritation - rabbit | Mild skin irritation - 24 hours |
| Eye irritation - rabbit | Severe eye irritation |
| Respiratory or skin sensation - Maximization test - guinea pig | May 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

### 12. ECOLOGICAL INFORMATION

**1,3,5-Triglycidyl Isocyanurate (2451-62-9)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish - static test LC50 - danio rerio (zebra fish)</td>
<td>&gt; 77 mg/l - 96 h</td>
</tr>
<tr>
<td>Toxicity to daphnia and other aquatic invertebrates - Immobilization - EC50 - daphnia magna (water flea)</td>
<td>&gt; 100 mg/l - 24 h</td>
</tr>
<tr>
<td>Toxicity to algae - growth inhibition - EC50 - Desmodesmus subspicatus</td>
<td>29 - 30 mg/l - 72 h</td>
</tr>
<tr>
<td>Toxicity to bacteria - Respiration inhibition - IC50 - Sludge Treatment</td>
<td>&gt; 100 mg/l - 3 h</td>
</tr>
<tr>
<td>Persistence and degradability - biodegradability - aerobic - exposure time: 44 d</td>
<td>0.5 - 1% - not biodegradable</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>No data available</td>
</tr>
<tr>
<td>PBT &amp; vPvB</td>
<td>not available/not required</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

### 13. DISPOSAL CONSIDERATIONS

**WASTE TREATMENT METHODS**

**GENERAL INFORMATION**: No data available.

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

Ecology - waste materials: Avoid release to the environment.
14. TRANSPORT INFORMATION

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

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

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

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

MARINE POLLUTANT : No
SPECIAL PRECAUTIONS : P235 Keep cool.
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.

<table>
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<tr>
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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

National Regulations Key
~ Indicates a chemical listed by IARC as a possible carcinogen.
^ Indicates a chemical listed by IARC as carcinogenic to humans.
STATE REGULATIONS
CALIFORNIA PROPOSITION 65

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](http://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](http://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](http://WWWPROP65.CA.GOV).

Massachusetts Right to Know

Pennsylvania Right to Know

<table>
<thead>
<tr>
<th>This product contains</th>
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<tbody>
<tr>
<td>Butyltriphenyolphosphonium Chloride</td>
<td>13371-17-0</td>
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New Jersey Right to Know

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<td>13371-17-0</td>
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</tbody>
</table>
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

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<tr>
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<th>2</th>
<th>1</th>
<th>0</th>
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<tbody>
<tr>
<td>Health</td>
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<td>Flammability</td>
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<td>Reactivity</td>
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<tr>
<td>Personal Protection</td>
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