

# SAFETY DATA SHEET



|                      |           |
|----------------------|-----------|
| <b>DATE ISSUED :</b> | 5/21/2016 |
| <b>SDS REF. No :</b> | HP-439    |

## HP-439 EXEMPT POLYURETHANE REDUCER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** HP-439 EXEMPT POLYURETHANE REDUCER

**PRODUCT CODE:** HP-439

**PRODUCT USE:** Industrial Solventborne Reducer

**MANUFACTURER**

Cardinal Industrial Finishes  
1329 Potrero Ave

S. El Monte, CA,  
626 444-9274

**24 HR. EMERGENCY TELEPHONE NUMBER**

**CHEMTREC (US Transportation):** (800)424-9300

**CHEMTREC (International :** 1(202)483-7616

**Transportation)**

**WEB:** WWW.CARDINALPAINT.COM

### 2. HAZARDS IDENTIFICATION

**PICTOGRAMS**



**SIGNAL WORD :** DANGER

**HAZARD STATEMENTS :**

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H320 Causes serious eye irritation.

H315 Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS :**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of in accordance with Local, Regional, State, Federal, and International Regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name              | Weight %  | CAS Number |  |
|----------------------------|-----------|------------|--|
| Parachlorobenzotrifluoride | 60% - 65% | 98-56-6    |  |

|         |           |         |  |
|---------|-----------|---------|--|
| Acetone | 35% - 40% | 67-64-1 |  |
|---------|-----------|---------|--|

#### 4. FIRST AID MEASURES

##### Description of first aid measures.

**EYES CONTACT :** Flush with large quantities of water for 15 to 30 minutes. Remove contact lenses. Keep eyes wide open while rising. If eye irritation persists: Get medical attention.

**SKIN CONTACT :** Wash exposed area with mild soap and water for 15 to 30 minutes. Remove contaminated clothing. Repeated exposure may cause dryness or cracking.

**INGESTION :** Rinse mouth. Do NOT induce vomiting. Keep victim warm and seek immediate attention.

**INHALATION :** Remove to fresh air and keep in a position comfortable to breath. Call a doctor/physician if you feel unwell. Get medical attention.

**Most important symptoms and effects, both acute and delayed.** Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Cause serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed.

If medical advice is needed, have product container or label on hand.

#### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA :** In the event of a fire, use specifically suitable extinguishing agents. Suitable extinguishing media: Foam, alcohol resistant foam, CO<sub>2</sub>, water fog. Unsuitable extinguishing media: Do not use heavy water stream. A heavy water stream may spread burning liquid.

**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 :** Fire hazard: Highly flammable/liquid or vapor.

Explosive hazard: May form flammable/explosive vapor-air mixture.

#### 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 :

Equip cleanup crew with proper protection. Avoid breathing fume, vapors.

##### ENVIRONMENTAL PRECAUTIONS :

Prevent entry to sewers and public waters.

##### METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP :

Collect damaged aerosols and use absorbent and/or inert material, then place in suitable container.

#### 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING :** Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

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 to prevent formation of vapor. No smoking. Use only non-sparking tools. Use outdoors or in a well ventilated area. Avoid breathing fume, vapors.

Hygiene measures: Wash Skin thoroughly after handling.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES :** Storage conditions: Store in a dry, cool and well-ventilated place away from: Heat sources. Direct sunlight.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Source of ignition. Direct sunlight. Heat Sources.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

|                                     |                        |  |
|-------------------------------------|------------------------|--|
| Acetone(67-64-1)                    |                        |  |
| USA ACGIH                           | ACGIH STEL TLV         | 750 ppm  |
| USA ACGIH                           | ACGIH TWA TLV          | 500 ppm  |
| USA NIOSH                           | NIOSH STEL (Table Z-1) | 1,000 ppm, 2,400 mg/m3                             |
| USA NIOSH                           | NIOSH TWA              | 250 ppm, 590 mg/m3                                 |
| USA OSHA                            | OSHA TWA (Table Z-1)   | 1,000 ppm, 2,400 mg/m3                             |
| Parachlorobenzotrifluoride(98-56-6) |                        |  |
| USA ACGIH                           | USA ACGIH              | Contains no substances with exposure limit values. |

## PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION :** If TLV of the product or any component is exceeded, a NIOSH approved dust respirator is advised in absence of environmental control. OSHA Regulations also permit other NIOSH dust respirators under specified conditions. (See your Safety Equipment Supplier) Engineering or administrative controls should be implemented to reduce exposure.

**HAND PROTECTION REMARKS :** The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**EYES PROTECTION :** Eye wash bottle with pure water.  
Tightly fitting safety goggles.  
Where face-shield and protective suit for abnormal processing problems.

**SKIN AND BODY PROTECTION :** Wear impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**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>                       | : | Liquid                            |
| <b>Color</b>                                | : | Clear                             |
| <b>Odor</b>                                 | : | Characteristic. Sweet. Mint like. |
| <b>Odor threshold</b>                       | : | No data available.                |
| <b>Ph</b>                                   | : | N/A - See Technical Data Sheet    |
| <b>Evaporation rate</b>                     | : | Slower Than Ether                 |
| <b>Melting point</b>                        | : | -94.7 C (-138.46 F)               |
| <b>Freezing point</b>                       | : | No data available.                |
| <b>Boiling point</b>                        | : | 133.0 deg F TO 282.0 Deg F        |
| <b>Flash point</b>                          | : | -4.00 deg F deg F                 |
| <b>Lower explosion limit</b>                | : | .9                                |
| <b>Upper explosion limit</b>                | : | 12.8                              |
| <b>Vapor pressure</b>                       | : | 185 mm Hg                         |
| <b>Vapor density</b>                        | : | Heavier than air                  |
| <b>Relative density</b>                     | : | No data available.                |
| <b>Density</b>                              | : | 8.7878                            |
| <b>Solubility</b>                           | : | No data available.                |
| <b>Partion coefficient: n-octanol/water</b> | : | No data available.                |
| <b>Autoignition temperature</b>             | : | No data available.                |
| <b>Decomposition temperature</b>            | : | No data available.                |

## 10. STABILITY AND REACTIVITY

**REACTIVITY :** No dangerous reaction known under conditions of normal use.

**CHEMICAL STABILITY :** Stable under normal conditions.

**CONDITIONS TO AVOID :** Extremely high temperatures, poor ventilation and excessive aging.

**INCOMPATIBLE MATERIALS :** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. TOXICOLOGICAL INFORMATION

| Acetone(67-64-1)                    |   |
|-------------------------------------|---|
| Aspiration toxicity                 | Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above TLV value may cause narcotic effects. Solvents may degrease the skin.  |
| Carcinogenicity                     | Species: mouse, (female), Application Route: Dermal; Exposure time: .365 d (90%) or 424 d (100%), Dose: 0.1ml 90(71mg) or 100% (79mg), Frequency of Treatment: 3 times a wk, NOAEL: 79; Result: did not display carcinogenic properties. Carcinogenicity-Assessment: Not classified as a human carcinogen.  |
| Germ cell mutagenicity              | Test Type: mammalian cell gene mutation assay. Test species: Mouse Lymphoma, Metabolic activation: Without metabolic activation; Method: OECD Guideline 476; Result: negative; Test Type: Ames test, Metabolic activation: Without metabolic activation; Method: OECD Guideline 471; Result: negative, Test Type: Chromosome aberration test in vitro, Test species: Chinese hamster ovary (CHO), Metabolic activation: Without metabolic activation; Method: OECD Guideline 473; Result: negative; Genotoxicity in vivo: Test Type: I vivo micronucleus test. Test species: Mouse, Application Route: Oral, Exposure: 13 wk, Dose: 5,000, 10,000, 20,000 ppm, Result: negative |
| Germ cell mutagenicity Assessment   | Animal testing did not show any mutagenic effects.  |
| LC50 (rat) Inhalation               | 76 mg/l (4 h exposure)  |
| LD50 (rat) Oral                     | 5,800 mg/kg; Symptoms: tremors  |
| LD50 Dermal                         | >7,426 mg/kg  |
| Repeated dose exposure              | Species: mouse, male, NOAEL: 20,000, Application Route: Oral, Exposure time: 13 wk, Number of exposures: daily, Dose: 1250, 2500, 5000, 10000, 20000, Method OECD Test Guideline 408, GLP: No data available.; Species: mouse, female, NAOEL 20000, LAOEL: 50000; Application Route: Oral, Exposure time: 13 wk, Number of exposures: daily, Dose: 1250, 2500, 5000, 10000, 20000, Method OECD Test Guideline 408, GLP: No data available; Repeated dose toxicity Assessment: causes mild skin irritation., Causes serious eye irritation.  |
| Reproductive toxicity               | Effects on fertility: Species: rat, male; Application Route: oral; Dose: 0, 5,000, 10,000 mg/l; Frequency of Treatment: 7 days/week; General Toxicity - Parent: LOAEL: 10,000; Fertility: 10,000; Effects on fetal development: Species: rat; Application Route: Inhalation; Dose: 0, 440, 2200, 11,000 ppm; Frequency of Treatment: 7 days/week; General Toxicity Material: NOAEC: 2,200 ppm; Tetragenicity: NOAEC: 2,200 ppm; Embryo-fetal toxicity: NOAEC: 2,200 ppm; Result: No teratogenic potential. GLP: No data available. Reproductive toxicity Assessment: Did not show teratogenic effects in animal experiments.  |
| Respiratory or skin sensitisation   | Test type: Maximization test, Species: guinea pig, Assessment: Does not cause skin sensitization. Result: Did not cause sensitization on laboratory animals.  |
| Serious eye damage/eye irritation   | Species: rabbit, Result : Slightly irritating to eyes, Exposure time: 24 h, Classification: Irritating to eyes, Remarks: Eye irritation.  |
| Skin corrosion/irritation           | Species: rabbit, Exposure time: 24 h, Classification: Not irritating to skin, Method: In vivo, Result: Mild irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desiccation of the skin.   |
| STOT - single exposure              | Exposure routes: Inhalation (vapor); Assessment: May cause drowsiness or dizziness.   |
| STOT- repeated exposure             | No data available.  |
| Parachlorobenzotrifluoride(98-56-6) |   |
| Additional Information              | RTECS: XS9145000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  |
| Aspiration hazard                   | No data available.  |
| Carcinogenicity                     | 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. 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.  |
| Germ cell mutagenicity              | Human Embryo Unscheduled DNA synthesis.   |
| LD50 Oral - Rat                     | 13,000 mg/kg Dermal: No data available.   |

|  |  |
|--|--|
| Reproductive toxicity                              | No data available.                             |
| Respiratory or skin sensitization                  | No data available.                             |
| Serious eye damage/eye irritation                  | No data available.                             |
| Skin corrosion/irritation                          | No data available.                             |
| Specific target organ toxicity - repeated exposure | No data available.                             |
| Specific target organ toxicity - single exposure   | Inhalation - May cause respiratory irritation. |

## 12. ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Acetone(67-64-1)</b>                    |   |
| Bioaccumulative potential                  | Partition coefficient: n-octanol/water: log Pow: -0.24  |
| EC50 (Daphnia magna (Water flea))          | 7,630 mg/l (Exposure time 48 h); Test substance: Acetone  |
| LC50 (Oncorhynchus mykiss (rainbow trout)) | 6,100 mg/l (Exposure time: 48 h)  |
| Mobility in soil                           | No data available.  |
| Other adverse effects                      | No data Available. Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances., Additional ecological information: No data available. |
| Persistence and degradability              | Biodegradability: Remarks: No data available  |
| Toxicity to algae                          | Remarks: No data available  |
| <b>Parachlorobenzotrifluoride(98-56-6)</b> |   |
| Bioaccumulative potential                  | No data available.  |
| Mobility in soil                           | No data available.  |
| Other adverse effects                      | No data available.  |
| Persistence and degradability              | No data available.  |
| Results of PBT and vPvB assessment         | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.   |
| Toxicity                                   | No data available.  |

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**GENERAL INFORMATION :** No data available.

**DISPOSAL METHOD:** Dispose of waste and residues in accordance with Local, State, and Federal Regulations. Mix with compatible chemical which is less flammable and incenerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld or near this container.

## 14. TRANSPORT INFORMATION

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

### USDOT GROUND

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME (DOT) :** Paint Related Material

**HAZARDS CLASS :** 3

**UN/NA NUMBER :** UN1263

**PACKING GROUP :** PG II

**EMERGENCY RESPONSE GUIDE (ERG) :** 128

### IATA (AIR)

#### DOT (INTERNATIONAL AIR TRANSPORTATION ASSOCIATION)

**PROPER SHIPPING NAME :** Paint Related Material

**HAZARDS CLASS :** 3

**UN/NA NUMBER :** UN1263

**PACKING GROUP :** PG II

**EMERGENCY RESPONSE GUIDE (ERG) :** 128

### IMDG (OCEAN)

**PROPER SHIPPING NAME :** Paint Related Material

**HAZARDS CLASS :** 3

**UN/NA NUMBER :** UN1263  
**PACKING GROUP :** PG II  
**EMERGENCY RESPONSE GUIDE (ERG) :** 128

**MARINE POLLUTANT :** No  
**SPECIAL PRECAUTIONS :** P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P235 Keep cool.

**15. REGULATORY INFORMATION**

**US FEDERAL REGULATIONS**

All ingredients in Section #3 are TSCA (Toxic Substance Control Act) listed.

**OSHA HAZARDS :** Flammable liquid, Moderate skin irritant, Moderate eye irritant, Carcinogen.  
**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 :** Fire Hazard, Acute Health Hazard, Chronic Health Hazard  
**SARA 313 :**

| <b>This product contains:</b> | <b>Chemical CAS#</b> |
|-------------------------------|----------------------|
| Parachlorobenzotrifluoride    | 98-56-6              |
| Acetone                       | 67-64-1              |

**CLEAN AIR ACT :**

**INTERNATIONAL REGULATIONS**

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

Flam. Liq. Cat. 2; H226  
Acute Tox. inhalation, Cat. 4; H332  
STOT SE, inhalation, Cat. 3; H335  
Skin Sens. Cat. 1; H317

**NATIONAL REGULATIONS**

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

**STATE REGULATIONS**

**CALIFORNIA PROPOSITION 65**

\*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> |
|------------------------------|----------------------|
| Parachlorobenzotrifluoride   | 98-56-6              |
| Acetone                      | 67-64-1              |

**Pennsylvania Right to Know**

| <b>This product contains</b> | <b>Chemical CAS#</b> |
|------------------------------|----------------------|
| Parachlorobenzotrifluoride   | 98-56-6              |
| Acetone                      | 67-64-1              |

**New Jersey Right to Know**

| This product contains      | Chemical CAS# |
|----------------------------|---------------|
| Parachlorobenzotrifluoride | 98-56-6       |
| Acetone                    | 67-64-1       |

**16. OTHER INFORMATION**

**Other Product Information**

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

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

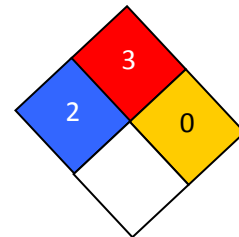
**VOC CONTENT:**

Excluding Exempt VOC: 0  
Including Exempt VOC: 0

**HMIS RATING**

|                       |   |
|-----------------------|---|
| Health :              | 2 |
| Flammability :        | 3 |
| Reactivity :          | 0 |
| Personal Protection : | H |

**NFPA CODES**



**MANUFACTURER DISCLAIMER :** The information contained in this Safety Data Sheet is considered to be true and accurate. Cardinal Industrial Finishes 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.