

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: PCI Rust Out
Product Use: Rust Stain Remover
Manufactured For: Polymer Concepts, Inc.
7425 Colony Court
Cumming, GA 30040

Product Identification # (PIF): 02775
Emergency Telephone #: 1-800-255-3924 ChemTel
General Information #: 678-802-6018
Date Prepared: February 1, 2005
Date Revised: December 27, 2016 – version #2

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: DANGER

Hazard Statement	Category	Code	Hazard Class
May be corrosive to metals	1	H290	Corrosive to Metals
Causes severe burns and eye damage	1B	H314	Skin Corrosion
Causes serious eye damage	1	H318	Eye Damage

Precautionary Measures:

Category	Code	Statement
Prevention	P234 P260 P264 P280	Keep only in original container. Do not breathe fumes/mists/ vapors/sprays. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338 P310 P390	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatments: See section 4 First Aid Measures. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage.
Storage	P404 P405	Store in a closed container. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Prolonged/repeated skin contact may cause skin drying (dermatitis). Ingestion may irritate mouth, throat and gastrointestinal tract.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient	Common Name/Synonym	CAS #	Concentration Range %
Oxalic Acid Dihydrate	None	6153-56-6	1 – 5
Hydroxyacetic Acid	Glycolic Acid	79-14-1	0.5 – 4

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists. Immediately call a POISON CENTER or doctor/physician.

Skin or Hair: Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician immediately. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth. If victim is alert and not convulsing, rinse mouth and give as much water as possible to dilute (8-10oz.). If vomiting occurs spontaneously, have victim lean forward with head down, rinse mouth and administer more water. Immediately transport victim to an emergency facility.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: Not flammable

NFPA 30 Flammability: Not flammable

Extinguishing Media: Use media appropriate for surrounding fire. Use water spray to cool containers.

Specific hazards arising from chemical: None known.

Hazardous combustion products: Carbon monoxide, carbon dioxide and formic acid.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Do not breathe fumes/mists/ vapors/sprays. Ventilate area. Wash thoroughly after handling.

For Small Spills: Absorb spillage to prevent material damage. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Neutralize with weak basic material (soda ash), then absorb spill with vermiculite or other inert material, and then place in a container for chemical waste. Litmus paper may be used to confirm neutralization. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Use personal protective equipment (Section 8). Use with adequate ventilation. Do not breathe fumes/mists/ vapors/sprays. Do not mix with other chemicals unless label instructs otherwise. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Absorb spillage to prevent material damage.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store locked up. Keep only in original container. Store away from strong oxidizing agents, strong alkalis, chlorites, silver, furfuryl alcohol, cyanide and sulfide salts.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Oxalic Acid Dihydrate	6153-56-6	Not established	Not established	Not established
Hydroxyacetic Acid	79-14-1	Not established	Not established	Not established

Engineering Controls: Provide adequate ventilation. Keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.

Respirator: Use NIOSH approved protection with acid cartridge if PEL is exceeded or if vapors are causing irritation or if mists/spays are generated.

Other: Use in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless, clear liquid	Upper/Lower flammability limits	Not determined
Odor	No fragrance	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	<1	Relative Density (water = 1.0)	1.020 g/ml
Melting point	Not determined	Solubility in water	Complete
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Not flammable	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Not flammable	VOC by weight	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May be corrosive to metals.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals unless product information instructs to do so.

Incompatible materials: Avoid strong oxidizing agents, strong alkalis, chlorites, silver, furfuryl alcohol, cyanide and sulfide salts.

Hazardous combustion products: Carbon monoxide, carbon dioxide and formic acid.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >5000mg/kg

Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Corrosive to skin. Symptoms may include burns, blisters, ulceration and scarring. Prolonged contact causes serious tissue damage.

Serious eye damage/irritation: Corrosive to eyes. Symptoms may include severe irritation, disintegration, scarring and clouding. Symptoms may persist for several days. Risk of serious damage to eyes if left untreated.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: No known reports in humans.

Carcinogenicity: NTP/IARC/OSHA Carcinogen: Not classified

Reproductive toxicity: No known reports in humans.

STOT-single exposure: Not classified.
STOT-repeated exposure: Not classified.
Aspiration hazard: Not classified.
Ingestion: May irritate the mouth, throat and gastrointestinal tract.
Likely routes of exposure: Eyes, skin
Interactive effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): >100ppm
96h EC-50 (invertebrates): >100ppm
48h LC-50 (algae): >10ppm

Persistence and degradability: Expected to be readily biodegradable.

Bioaccumulative potential: Not determined.

Mobility in soil: Soil mobility not determined.

Other adverse effects: This product can lower the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

UN/ID No.: UN3265
Proper Shipping Name: Corrosive Liquids, Acidic, Organic, n.o.s., (Glycolic Acid)
Hazard Class: 8
Packing Group: II
49 CFR §173.154 (b) (1) (Exemption): This product can ship as "Limited Quantity" in inner packaging not over 0.3 gallons (1.1 Liter). (Non Hazardous)

IATA and IMDG:

UN/ID No.: UN3265
Proper Shipping Name: Corrosive Liquids, Acidic, Organic, n.o.s., (Glycolic Acid)
Hazard Class: 8
Packing Group: II
Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: Glycolic acid (CAS# 79-14-1) has a reportable quantity of 100 lbs. at 100% concentration, however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").

United States Right-To-Know: Oxalic acid #6153-56-6 – Pennsylvania.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: December 27, 2016, vs. #2 – SDS updated to meet revision #5 GHS requirements.

Hazard Ratings (HMIS): Health 3, Flammability 0, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

"FOR INDUSTRIAL USE ONLY"

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System

CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SE	Single Exposure
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED, REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS, CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.