

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name:	Rust Dissolve	Manufacturer
	Rust Inhibitor – Rust Solvent	Snee Chemical Company
Product Code:	06 RD	5565 Pepsi Street
Chemical Name:	Not Applicable	Harahan, Louisiana 70123
Common Name:	Not Applicable	Phone Number: 800-489-7633
Formula:	Proprietary	Fax Number: 800-489-1321
Product Class:	Acid Cleaner	

Emergency Telephone Number: 3E Company 800-451-8346

2. HAZARDS IDENTIFICATION

GHS Classification: Corrosive

Labeling:

Symbol:	Corrosive
Signal Word:	Danger
Hazard Statement:	Causes severe skin burns and eye damage. May be corrosive to metals.



Emergency Overview: DANGER! MAY BE FATAL IF SWALLOWED. CORROSIVE. HAZARDOUS LIQUID AND VAPOR. Causes eye and skin burns. Store and transport according to packing list of dangerous chemicals. Avoid contact with skin and eyes. Use only in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH approved respiratory protection. Do not eat, drink or smoke during work. Wash thoroughly after handling. Wear appropriate personal protective equipment, avoid direct contact. Keep locked up and out of the reach of children.

Primary Route(s) Of Entry

Eye and Skin Contact, Inhalation

Symptoms of Exposure

Eyes:	Corrosive! Severe burns and permanent eye damage.
Skin:	Corrosive! Redness, pain and burns.
Inhalation:	Corrosive! Coughing, irritation, burns, tightness of chest and/or shortness of breath.
Ingestion:	Corrosive! Severe burns, nausea, diarrhea and/or vomiting. May be fatal.

Medical Conditions Aggravated By Exposure

Persons with pre-existing skin disorders or eye disease may be more susceptible to the effects of this product.

Reported As Carcinogen or Potential Carcinogen

<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> OSHA
<input type="checkbox"/> National Toxicology Program (NTP)	<input type="checkbox"/> International Agency for Research on Cancer (IARC)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent	OSHA, PEL	ACGIH, TLV
Hydrochloric Acid	7647-01-0	< 10	5 ppm (Ceiling)	2 ppm (Ceiling)
Phosphoric Acid	7664-38-2	10 – 30	1 mg/m ³ (TWA)	1 mg/m ³ (TWA)
Ethylene Glycol Monobutyl Ether	111-76-2	< 10	50 ppm 8 hrs/TWA	20 ppm 8 hrs/TWA
Zinc Chloride	7646-85-7	< 10	1 mg/m ³ (TWA)	1 mg/m ³ (TWA)

4. FIRST AID MEASURES

Eyes:	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lens after the first 3 minutes. Get competent medical attention immediately, preferably an eye specialist.
Skin:	Immediately flush with water (safety shower, water hose), remove all contaminated clothing and continue flushing skin with water for at least 15 minutes. Seek immediate medical attention or call the poison control center.
Inhalation:	If symptoms are experienced, remove victim to fresh air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.
Ingestion:	DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention or call poison control center.

5. FIRE FIGHTING MEASURES

Flash Point and Method: 72°C (161.6°F) ASTM D-56 (Tag Closed Cup)
Class IIIA Combustible Liquid

Extinguishing Media

Dry Chemicals, Carbon Dioxide, Water Spray, Alcohol-Resistant Foam. Cool fire-exposed containers with water spray.

Fire Fighting Equipment/Instructions

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. Extreme heat or contact with metals can release flammable hydrogen gas and other poisonous or irritating gases which may be heavier than air.

6. ACCIDENTAL RELEASE MEASURES

Notify safety personnel, provide adequate ventilation, and remove ignition sources since hydrogen gas may be generated by reactions with metals. Wear appropriate personal protective equipment as specified in Section 8. Do not flush to sewer or waterways. Contain spill with an inert substance (sand, earth). Transfer liquid and solid materials to separate containers for disposal or reclaim. Add soda ash to neutralize area. Flush area with large amounts of water. NOTE: Spills on porous materials (concrete, wood, plastic, etc) will absorb the acids and become a hazard for an indefinite time. Such spills should be cleaned and neutralized immediately. US Regulations (CERCLA) require reporting spills and release to soil, water and air in excessive of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800)424-8802.

7. HANDLING & STORAGE**Handling**

Wear appropriate protective equipment (See Section 8). Avoid contact with skin and eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid excessive heat. Do not wash out container and use it for other purposes. When diluting, always add acid to water, never add water to acid. Never use hot water. Provide adequate ventilation.

Storage

As with all chemicals, store in tightly closed containers in a cool dry area away from incompatible materials. Protect from physical damage. Keep from overheating or freezing. If material freezes, gently thaw prior to use. Mild agitation may be required. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering Controls**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits as listed in Section 2. Local exhaust is suggested for use, where possible, in enclosed or confined space.

Personal Protection

Eyes/Face:	Safety Glasses or chemical goggles. Faceshield to guard against splashing.
Skin:	PVC or neoprene gloves and sleeves.
Respiratory:	If the exposure limits is exceeded, a full facepiece respirator with an acid gas cartridge may be worn to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.
General:	Wear protective clothing to guard against splashing, including boots and apron made from PVC or neoprene. Maintain eye wash fountain and quick drench safety shower in work area.



9. PHYSICAL & CHEMICAL PROPERTIES

State:	Liquid
Color:	Clear Green
Odor:	Pungent & Irritating
Specific Gravity @ 25°C:	1.09 – 1.12
Water Solubility:	Complete
pH:	Less than 1
Vapor Pressure (mm HG):	Not Established
Vapor Density:	> 1 Air = 1
Evaporation Rate:	Not Available
Boiling Point:	150°F – 230°F
Percent Volatile:	> 90 % (as water and acid fumes)
% VOC:	< 1

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable at room temperature when stored and used under proper conditions.

Conditions to Avoid

Heat

Incompatibility

Metals, strong bases (such as ammonia, soda ash, caustic soda), concrete, mercuric sulfate, perchloric acid, carbides of calcium, rubidium, cesium, acetylides of cesium and rubidium, phosphides of calcium and uranium and lithium silicide. Reacts violently with Sodium Tetrahydroborate, exothermal reaction with aldehydes, amines, amides, alcohol, glycols, azo-compounds, carbamates, esters, caustics, phenols, cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, organic peroxides; releases flammable gases with mixed with sulfides, mercaptans, cyanides, and aldehydes. Mixtures with nitromethane are explosives. Cyanides (may release HCN gas); sulfides (may release H₂S gas).

Hazardous Decomposition

Hydrogen chloride fumes, Phosphorus Oxides, Carbon Monoxide, Carbon Dioxide, White Toxic fumes of Zinc Chloride

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Hydrochloric Acid: Inhalation: LC50: 3124 ppm/1H (rat); Oral LD50: 900 mg/kg (rabbit); Investigated as a tumorigen, mutagen, reproductive effector. Listed as an IARC category 3 (not classifiable as to carcinogenicity to humans).
Phosphoric Acid: Dermal LD50: 2740 mg/kg (rabbit); Oral LD50: 1530 mg/kg (rat) Inhalation LC50: Not Available.
If inhaled, it can cause respiratory and eye irritation, CNS depression, and possible damage to kidney and liver.

12. ECOLOGICAL INFORMATION

Hydrogen Chloride in water dissociates almost completely, and will be neutralized by natural alkalinity and carbon dioxide. Hydrochloric acid will sink into the soil. There it will be somewhat neutralized by carbonate mineral substances.
Ecotoxicity: Acute LC50 (48 hrs, static) for Bluegill = 3.6 mg/l, (96 hr, static) for Mosquito Fish = 282 ppm.
This product is slightly toxic to aquatic organisms but is biodegradable and not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Treatment, storage, transportation and disposal must be in accordance with all applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Waste should be sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility.

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Corrosive liquid, n.o.s. (Phosphoric and Hydrochloric Acids)
DOT Hazard Class 8
DOT I.D. Number UN 1760
DOT Packing Group III
DOT Label(s): Corrosive
Emergency Response Guidebook Number: 154

15. REGULATORY INFORMATION

Contents of this MSDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Hazard Communication Standard (26 CFR 1910.1200)

Hazardous Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117,302)

This product contains hydrochloric acid which is subject to the reporting requirements of SARA Section 313.
 This product contains phosphoric acid which is subject to the reporting requirements of SARA Section 313.

SARA Extremely Hazardous Substances (40 CFR 355)

This product contains hydrochloric acid which is subject to the reporting requirements of SARA Section 313.
 This product contains phosphoric acid which is subject to the reporting requirements of SARA Section 313.

SARA Hazard Categories (40 CFR 370)

None Acute Chronic Fire Pressure Reactive

SARA Toxic Substances (40 CFR 372)

This product contains hydrochloric acid which is subject to the reporting requirements of SARA Section 313.
 This product contains phosphoric acid which is subject to the reporting requirements of SARA Section 313.
 Ethylene Glycol Monobutyl Ether CAS# 111-76-2

Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL), and Europe (EINECS).

Reportable Quantity (RQ)

3393 gallons (30,995 pounds) based on phosphoric acid content.

16. OTHER INFORMATION

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HAZARD RATINGS	HMIS	NFPA	Rating	Description
Health	3	3	0	Minimal
Flammability	1	1	1	Slight
Reactivity	1	1	2	Moderate
PPE	H		3	Serious
			4	Extreme

Completed On: March 26, 2006

Completed By: Product Safety & Compliance, Supervisor: M. Primeaux