

# POOF RUST REMOVER

Date Effective 4/1/2006

## Section One: Product Identification

Product Name	POOF RUST REMOVER	ITEM #	127500
Other Names			
Chemical Family	Urea Hydrochloride		
Intended Use	Muriatic Acid Replacement		

## Section Two: Composition/Information on Hazardous Ingredients

CAS#	Common Name	TWA	STEL	PEL	Weight %
506-89-8	Urea Hydrochloride				60.0%

## Section Three: Hazards Identification

Routes of Entry	Skin contact, eye contact, inhalation, ingestion
Potential Health Effects	This product may cause eye, skin, or respiratory irritation.
Carcinogenicity (NT P)	This product is not believed to be carcinogenic.
Carcinogenicity (IARC)	This product is not believed to be carcinogenic.
Carcinogenicity (OSHA)	This product is not believed to be carcinogenic.

## Section Four: First Aid Measures

Eyes	Flush eyes with water for at least 15 minutes. Seek medical attention.
Skin	Remove contaminated clothing. Flush skin with water at least 10 min.
Ingestion	Drink 3-4 glasses of water. Do not induce vomiting. Seek professional help immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.

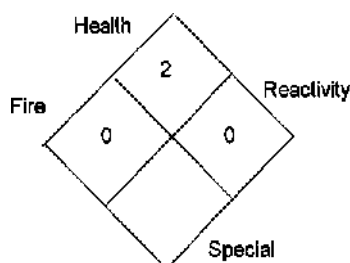
**Disclaimer** For further information, please contact BIRSCH INDUSTRIES, INC. 757 622-0355, 1-888-622-0356, 476 VIKING DRIVE, VIRGINIA BEACH, VA 23452. This information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or Implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with OSHA Hazardous Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

# POOF RUST REMOVER

Date Effective 4/11/2006

## Section Five: Fire Fighting Measures

NFPA Hazard Classification



Flammable Limits Flash Point	Does not ignite
Flammable Limits in Air - LEL	
Flammable Limits in Air - UEL	
Auto-ignition Temperature	Does not ignite
TDG Flammability Class (Canada)	Not available
General Hazards	Do not pressurize, cut, weld, solder, drill or expose containers to any form of heat, ignition source or electricity.
Extinguishing Media	Dry chemical, carbon dioxide, water spray.
Fire Fighting Equipment	Wear self contained breathing apparatus and protective clothing.
Fire and Explosion Hazards	At temperatures above 140 F acid action on most metals may release Hydrogen gas, (a highly explosive gas).
Hazardous Combustion Products	Hydrogen Gas. See above fire explosion hazards.
Sensitivity to Mechanical Impact	Not expected
Static Discharge	Not expected
Emergency Response Guidebook Information	Not available

## Section Six: Accidental Release Measures

Accidental Release Measures	Eliminate all ignition sources. Contain spill and salvage as much material as possible. Then pick up the remaining with absorbent.
-----------------------------	--

## Section Seven: Handling and Storage

Handling and Storage Guidelines	Keep container tightly closed. Store in fiberglass, polyethylene or polypropylene containers. Do not store above 120 F. Do not consume food, drink or tobacco in areas where they may become contaminated by this material.
---------------------------------	---

## Section Eight: Exposure Controls/Personal Protection

Personal Protective Equipment	Wear appropriate equipment to prevent probability of exposure and personal contact.
Eye Protection	Goggles or glasses with side shields.
Skin Protection	Wear impervious gloves as a standard handling procedure.
Respiratory Protection	Use NIOSH approved respirator where there is likelihood of inhalation of the product mist.
Engineering Controls	Do not aerosolize.
Emergency Response Protection	No additional specialized equipment should be required.

---

---

# POOF RUST REMOVER

Date Effective 4/1/2006

---

---

## Section Nine: Physical and Chemical Properties

Physical Form	Liquid
Color	Colorless to Pale Yellow
Odor	Mild
Boiling Point	212 F
Melting Point	Not applicable
Freezing Point	-30 C
Bulk Density	10.079 lbs. / gal.
pH	< 1.0
Solubility in Water	Soluble
Specific Gravity	1.205 +/- 0.005
Decomposition Temperature	Not available Not available Not available Not available Not
Odor Threshold	available Not available Stable. Contact with aluminum may
Evaporation Rate	cause Hydrogen gas release.
Vapor Pressure	Do not mix with metal powders. Do not mix with bases, strong oxidizing agents, or
Coefficient of Water/011	strong reducing agents.
Volatile(s)	Thermal decomposition may yield toxic fumes of carbon, nitrogen and sulfur oxides. Hydrogen gas may be released upon contact with certain metals.

## Section Ten: Stability and Reactivity

Stability

Incompatibilities

Decomposition

Polymerization

## Section Eleven: Toxicological Information

Eye Irritation	This material is a severe eye irritant. Direct contact with eyes may result in burning, tearing, redness, swelling, corneal damage, and potentially irreversible damage.
Skin Irritation	Prolonged and repeated skin exposure may be painful and irritating.
Inhalation Toxicity	Inhalation of this product during manufacturing may be irritating.
Sensitization	Not evaluated Not
Chronic/Carcinogenicity	evaluated Not
Teratology	evaluated Not
Reproduction	evaluated Not
Mutagenicity	evaluated 1121
Acute Oral Effects	mg/kg rat LD-50
Acute Dermal Toxicity	Not evaluated
Additional Information	

**Disclaimer** This information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with OSHA Hazardous Communication Standard (29 CFR 1940.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

# POOF RUST REMOVER

Date Effective 4/1/2006

## Section Twelve: Ecological Information

Ecotoxicity	Not evaluated
Biological Oxygen Demand (BOD5)	500 mg/L
Chemical Oxygen Demand (COD)	3500 mgIL
Activated Sludge Respiration Inhibition Test	Not evaluated
Additional Information	

## Section Thirteen: Disposal Considerations

Container Disposal Management	Dispose of in accordance with local, state, and federal regulations.
RCRA Hazard Class	See Section 15 for regulatory information related to RCRA status.
Waste Disposal Method	Dispose of in accordance with local, state and federal regulations.

## Section Fourteen: Transport Information

	Proper Shipping Name	Technical Name (if N.O.S.)	Hazard Class	ID	Packing Group
DOT	Non-Regulated*				
IATA	Corrosive Liquid, n.o.s.	(Urea Hydrochloride)	8	UN1760	III
IMDG	Not Evaluated				
TDG	Not Evaluated				

Other Information \*Corrosive to Aluminum - Material is exempt from regulation by DOT per 49CFR 173.154(d)(1) when transported by motor vehicle or rail in containers other than aluminum.

## Section Fifteen: Regulatory Information

Right-To-Know/SARA 313 Information

SARA 311/312  Reactive Hazard  Pressure Hazard  Fire Hazard  
 Acute/Immediate Hazard  Chronic/Delayed Hazard

OSHA Status

TSCA Status All components are registered on TSCA inventory.

SARA 302 EHS

CM

CERCLA

CWA

RCRA

May be considered a RCRA waste due to pH <2.0 with D002.

California Prop 65

Non-Regulated

Canada CEPA

Canada WHMIS

## Section Sixteen: Other Information

HMIS Hazard Classification

Fire: 0 Health: 2 Reactivity: 0 Personal Protection: C

Reason Issued	Update	Prepared By	Mike Davis
Date Effective	4/1/2008	Supersedes	3/112002

Disclaimer

This information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with OSHA Hazardous Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).