

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072						
IDENTITY (as Used on Label and List)		<i>Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.</i>						
3X RUST DISSOLVER								
Section I								
Supplier: DirectLine Industries.				Emergency Telephone Number CHEM-TEL 800-255-3924				
Address (Number, Street, City, State and ZIP Code) PO Box 15133 St. Louis, Mo. 63110				Telephone Number 866-773-6136 Date Prepared 05/04/2010 Signature of Preparer Tec Service				
Section II—Hazardous Ingredients/Identity Information								
Hazardous Components (Specific Chemical Identity, Common Name(s))		OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)			
UREA HYDROCHLORIDE CAS # 506-89-8		ND	ND	NA				
Section III—Physical/Chemical Characteristics								
Boiling Point		N/D	Specific Gravity (H₂O = 1)			1.07		
Vapor Pressure (mm Hg)		N/D	Melting Point			N.A.		
Vapor Density (AIR = 1)		N/D	Evaporation Rate (Butyl Acetate = 1)			N/D		
Solubility in Water		Complete						
Appearance and Odor		Blue opaque liquid light fragrance						
Section IV—Fire and Explosion Hazard Data								
Flash Point (Method Used)		GREATER THAN 200 F	Flammable Limits	N/A	LEL	N/A	UEL	N/A

Extinguishing Media	Water spray, carbon monoxide, dry chemical
Special Fire Fighting Procedures	Use water spray to cool fire exposed surfaces
Unusual Fire and Explosion Hazards	NONE
(Reproduce locally) OSHA 174 Sept. 1985	

Section V—Reactivity Data						
Stability	Unstable		Conditions to Avoid	NONE		
	Stable	x				
Incompatibility (<i>Materials to Avoid</i>)		strong oxidizers and alkalis				
Hazardous Decomposition or Byproducts		thermal-carbon dioxide and carbon monoxide				
Hazardous Polymerization	May Occur		Conditions to Avoid	NONE		
	Will Not Occur	x				
Section VI—Health Hazard Data						
Route(s) of Entry	Inhalation?	yes	Skin?	NO	Ingestion?	yes
Health Hazards (<i>Acute and Chronic</i>)		May be irritating and painful				
Carcinogenicity	NTP?	NO	IARC Monographs?	OSHA Regulated?		
			NO	NO		
Signs and Symptoms of Exposure				None		
Medical Conditions Generally Aggravated by Exposure				None		
Emergency and First Aid Procedures		Eyes- Flush with plenty of water for 15 minutes, call physician immediately				
		Ingestion- get medical attention. Drink large amount of water as quickly as possible to dilute the product. Do not induce vomiting.				
Section VII—Precautions for Safe Handling and Use						
Steps to Be Taken in Case Material Is Released or Spilled			Contain spill and soak up in absorbent.			
Waste Disposal Method		Any method for disposal of chemical wastes subject to local, state and federal regulation				
Precautions to Be Taken in Handling and Storing			Keep in a cool, dark place. Keep container tightly closed			

Other Precautions		Keep out of reach of children		
Section VII—Control Measures				
Respiratory Protection <i>(Specify Type)</i>		Use NIOSH approved respirator where there is likely hood of inhalation		
Ventilation	Local Exhaust	yes	Special	None
	Mechanical <i>(General)</i>	Not necessary	Other	Use good housekeeping procedures
Protective Gloves	Rubber or Neoprene		Eye Protection	Goggles/glasses or face shield recommended
Other Protective Clothing or Equipment		N/A		