

<b>Material Safety Data Sheet</b>	<b>U.S. Department of Labor</b>
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.	Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072
<b>IDENTITY (as Used on Label and List)</b>	<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 LC3 Liner Cleaner

**Section I**

**Supplier:**

DirectLine Ind.

**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 for Information**

866-773-6136

**Date Prepared** 4/18/05

**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**

<b>Boiling Point</b>	N/D	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.07
<b>Vapor Pressure (mm Hg)</b>	N/D	<b>Melting Point</b>	N.A.
<b>Vapor Density (AIR = 1)</b>	N/D	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/D
<b>Solubility in Water</b>	Complete		
<b>Appearance and Odor</b>	Lt Purple opaque liquid light fragrance		

**Section IV—Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b>	GREATER THAN 200 F	<b>Flammable Limits</b>	N/A	<b>LEL</b>	N/A	<b>UEL</b>	N/A
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<b>Extinguishing Media</b>	Water spray, carbon monoxide, dry chemical
<b>Special Fire Fighting Procedures</b>	Use water spray to cool fire exposed surfaces
<b>Unusual Fire and Explosion Hazards</b>	NONE
(Reproduce locally) OSHA 174 Sept. 1985	

Section V—Reactivity Data						
<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	NONE		
	<b>Stable</b>	X				
<b>Incompatibility (Materials to Avoid)</b>		<i>strong oxidizers</i> and alkalis				
<b>Hazardous Decomposition or Byproducts</b>		thermal-carbon dioxide and carbon monoxide				
<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Conditions to Avoid</b>	NONE		
	<b>Will Not Occur</b>	X				
Section VI—Health Hazard Data						
<b>Route(s) of Entry</b>	<b>Inhalation?</b>	yes	<b>Skin?</b>	NO	<b>Ingestion?</b>	yes
<b>Health Hazards (Acute and Chronic)</b>		<i>May be irritating and painful</i>				
<b>Carcinogenicity</b>	<b>NTP?</b>	NO	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>		
			NO	NO		
<b>Signs and Symptoms of Exposure</b>				None		
<b>Medical Conditions Generally Aggravated by Exposure</b>				None		
<b>Emergency and First Aid Procedures</b>		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						
<b>Steps to Be Taken in Case Material Is Released or Spilled</b>			Contain spill and soak up in absorbent.			
<b>Waste Disposal Method</b>		Any method for disposal of chemical wastes subject to local, state and federal regulation				
<b>Precautions to Be Taken in Handling and Storing</b>			Keep in a cool, dark place. Keep container tightly closed			

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