

# SAFETY DATA SHEET



Date Prepared : 04/17/2015

MSDS No : DL88

DL-88

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** DL-88

**MANUFACTURER**

Tarr, LLC  
 P.O. Box 12570  
 Portland, OR 97212  
**Product Stewardship:** 503-288-5294

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (US Transportation) :**(800) 424 - 9300  
**CANUTEC (Canadian Transportation) :**(613) 996 - 6666

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

**Health:**

Skin Corrosion, Category 1

**GHS LABEL**



Corrosion

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

**PRECAUTIONARY STATEMENT(S)**

**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** DANGER! CORROSIVE. Causes burns to any area of contact. Harmful if swallowed or inhaled. Affects the liver.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive to the eyes and may cause severe damage including blindness.

**SKIN:** Corrosive. May cause burns resulting in permanent damage. Prolonged exposure may cause severe irritation and white discoloration. burning may result in localized erythema (redness) or even blistering of the

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skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** High concentrations are irritating to the nose, throat, and respiratory tract, and may cause headache, dizziness, nausea, vomiting, or narcosis (anesthetic like effects). Chronic overexposure may cause adverse effects in the liver, lung, reproductive system and kidney.

**MEDICAL CONDITIONS AGGRAVATED:** Skin contact may aggravate an existing dermatitis. Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
2(3H)-Furanone, dihydro-	2.5 - 10	96-48-0
2-(2-Aminoethoxy)Ethanol (1)	20 - 40	929-06-6
1-Methyl-2-pyrrolidinone	20 - 40	872-50-4
Glycol Ethers	20 - 40	112-34-5

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

**SKIN:** In the case of skin contact, flood the splashed surface with large quantities of soap and running water for at least 15 minutes. Remove and launder contaminated clothing before reuse. Get medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, oxygen should be administered by qualified personnel. Seek medical attention.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, Water Fog

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide and unidentified organic compounds may be formed during combustion.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Eliminate sources of ignition.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes. Do not swallow. Keep container closed.

Use with adequate ventilation. Wash thoroughly after handling.

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FOR INDUSTRY USE ONLY.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
			EXPOSURE LIMITS	
			Supplier OEL	
Chemical Name			ppm	mg/m <sup>3</sup>
Glycol Ethers			TWA	None

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Chemical splash goggles (chemical monogoggles).

**SKIN:** Wear chemical resistant gloves such as: Neoprene, butyl or nitrile or consult your safety equipment supplier.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**pH:** NA = Not Applicable

**FLASHPOINT AND METHOD:** (194°F)

**VAPOR PRESSURE:** 0.32 hPa

**BOILING POINT:** (411.8°F)

**SOLUBILITY IN WATER:** Miscible

**DENSITY:** 1.02

**Notes:** g/cm<sup>3</sup>

**SPECIFIC GRAVITY:** 1.02

**10. STABILITY AND REACTIVITY**

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** Stable under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, carbon dioxide and trace amounts of aldehydes and organic acids.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents (peroxides, chlorine, strong acids).

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

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Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
1-Methyl-2-pyrrolidinone	3914 mg/kg	2200 to 4000	> 5100

**DERMAL LD<sub>50</sub>:** 22903 mL/kg (rabbit)

**ORAL LD<sub>50</sub>:** 8233 mg/kg (mouse)

### CARCINOGENICITY

**Notes:** Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** None known.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of waste material according to local, State, Federal, and Provincial Environmental Regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, Basic, Organic, N.O.S. (2-(2-Aminoethoxy)Ethanol)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 3267

**PACKING GROUP:** III

**NAERG:** 153

**LABEL:** Corrosive (8)

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

R21/22: Harmful in contact with skin and if swallowed.

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Yes

**FIRE:** Yes **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** n-methyl-2-pyrrolidinone (CAS 872-50-4)

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** None

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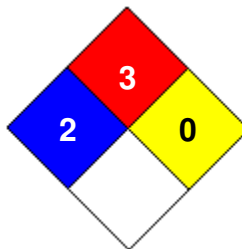
## 16. OTHER INFORMATION

**PREPARED BY:** Compliance    **Date Prepared:** 04/17/2015

### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

### NFPA CODES



**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the SDS must be considered.

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