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## Material Safety Data Sheet

<b>Section 1 Identification</b>						<b>Section 6 Accidental Release Measures</b>					
Product Number:	C1681					Health:	3				
Product Name:	Diethanolamine Laboratory Grade, 99%					Flammability:	1				
Trade/Chemical Synonyms:						Reactivity:	0				
Formula:	C <sup>2</sup> H <sup>6</sup> NO					Hazard Rating:					
RTECS:	KL2975000					Least Slight Moderate High Extreme					
C.A.S	CAS# 111-42-2					0 1 2 3 4					
						NA = Not Applicable NE = Not Established					
<b>Section 2 Component Mixture</b>						<b>Section 7 Handling and Storage</b>					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:	Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling					
<input checked="" type="checkbox"/>	Diethanolamine	CAS# 111-42-2	100%	W/W	OSHA TWA 3 ppm (15 mg/mf)	<b>Section 8 Exposure Controls &amp; Personal Protection</b>					
<b>Section 3 Hazard Identification (Also see section 11)</b>						Respiratory Protection: NIOSH/MSHA-approved respirator					
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.						Mechanical: <input type="checkbox"/> Hand Wear appropriate gloves to Protection: prevent skin exposure					
<b>Section 4 First Aid Measures</b>						Ventilation: <input type="checkbox"/> Local Exhaust: <input checked="" type="checkbox"/> Eye Protection: Goggles and Face Shield					
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.						<b>Other Protective Equipment: Wear appropriate clothing to</b>					
FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.						<b>Section 9 Physical and Chemical Properties</b>					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen						Melting Point: 27 to 30°C Specific Gravity 1.097					
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.						Boiling Point: 217°C Percent Volatile by Volume: >99					
<b>Section 5 Fire Fighting Measures</b>						Vapor Pressure: 5mm Hg @138°C Evaporation Rate: Information not available					
Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam.					Vapor Density: 3.6 Evaporation Standard:					
Fire/Explosion Hazards:	Emits toxic fumes under fire conditions					Solubility in Water: Information not available Auto ignition Temperature: Not applicable					
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.					Appearance and Odor: White solid or colorless liquid Lower Flamm. Limit in Air: 1.6%					
						Flash Point: 280°F Upper Flamm. Limit in Air: 10.6%					
<b>Section 10 Stability and Reactivity Information</b>						<b>Section 11 Additional Information</b>					
Stability: Stable Conditions to Avoid: None known						In case of contact flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing. If inhaled move to fresh air, if breathing is difficult give oxygen. Causes burns. Target organs: Liver, kidneys. Persons with pre-existing disorders may be more susceptible.					
Materials to Avoid: Oxidizing agents, copper alloys, zinc, Avoid contact with acids						DOT Classification: Ethanolamine, 8, UN2491, PG III					
Hazardous Decomposition Products: Oxides of carbon and nitrogen						DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Hazardous Polymerization: Will Not Occur						Revision No: 0.1 Date Entered: 9/1/2005 Approved by: WPF					
Condition to Avoid: None known											

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