

# MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Schaeffer Mfg. Company		<b>Emergency Response Number:</b>				
<b>Address:</b> 102 Barton Street		314-865-4105 (24-hour emergency number) or				
<b>Address:</b> St. Louis, MO 63104		800-325-9962				
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> Polyether Polyols		<b>Trade Name:</b> #265 Glygo Torque Fluid				
<b>Formula:</b> Proprietary Mixture						
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Triethanolamine	102-71-6	0.38-0.77		5		
Diethylene Glycol	111-46-6	35-50		10		
Morpholine	110-91-8	0.38-0.77	20	71	20	
Oxirane,methyl-polymer with oxirane,ether with 2-2-(hydroxyomethyl)-1,3 Propanediol (3:1)	5264-57-4	10-20	NE	NE	NE	NE
Water	7732-18-5	35-45				
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	Approximately 266°F/130°C	<b>Specific Gravity:</b>	1.082			
<b>Vapor Pressure (mm, Hg):</b>	7mm of Hg @ 20°C	<b>% Volatile:</b>	Not Determined			
<b>Vapor Density (Air = 1):</b>	+3	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Soluble	<b>pH:</b>	9-10			
<b>Appearance and Odor:</b> Clear orange-red color, strong characteristic odor.						
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) °F/°C:</b> None. Aqueous Solution 300°F/149°C C.O.C. after water evaporates			<b>Flammability Limits UEL &amp; LEL ----</b> Not Determined			
<b>Extinguishing Media:</b> After water evaporates, remaining material will burn. Use carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
<b>Special Fire Fighting Procedures:</b> Do not direct a solid stream of water or foam into hot burning pool. Use self contained breathing apparatus and protective clothing.						
<b>Unusual Fire &amp; Explosion Hazards:</b> None expected.						
<b>SECTION 5 - REACTIVITY HAZARD DATA</b>						
<b>STABILITY</b>	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	<b>Hazardous Decomposition</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
<b>Conditions to Avoid:</b> WARNING: This material contains amines that can react with nitrates to form nitrosamines.						
<b>Incompatibility (Mat. to avoid):</b> Strong oxidizers, strong bases and materials reactive with hydroxyl components						
<b>Hazardous Decomposition Products:</b> Oxides of carbon and by products of incomplete combustion.						
<b>Conditions to Avoid:</b> None.						
<b>SECTION 6 - HEALTH HAZARD DATA</b>						
<b>Threshold Limit Value and Sources:</b> None established by OSHA & ACGIH.						
<b>Acute Effects of Overexposure:</b>						
<b>Ingestion:</b>	Large doses may cause abdominal discomfort or pain, dizziness, malaise, central nervous depression, severe kidney and liver damage. May be harmful or fatal if swallowed.					
<b>Eye Contact:</b>	Contact can cause eye irritation with short term contact with liquid, mists or vapors. Symptoms include stinging, watering, redness and swelling.					
<b>Skin Contact:</b>	Mild irritation or redness to skin. Product can be absorbed through the skin.					
<b>Inhalation:</b>	High vapor concentrations may produce irritation of the mucous membranes, nose and throat, nausea, vomiting, headache and dizziness.					
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> Overexposure can cause central nervous system depression, kidney and liver damage.						
<b>Emergency and First Aid Procedures:</b>						
<b>Swallowing:</b>	If swallowed, give two glasses of water to dilute. Never give anything by mouth to a person who is unconscious. Seek medical attention immediately.					
<b>Skin:</b>	Wash skin thoroughly with soap and water. Remove and Launder contaminated clothing. Seek medical attention if Irritation persists.					
<b>Inhalation:</b>	Remove victim to fresh air. If breathing has stopped start artificial respiration immediately. If breathing is difficult Oxygen should be administered by a qualified individual. Seek medical attention immediately.					
<b>Eyes:</b>	Flush eyes with clear, cool, clean water for 15 minutes. Do not use eye ointment Seek medical attention immediately					
<b>SECTION 7 – SPILL OR LEAK PROCEDURES</b>						
<b>Environmental Impact:</b> This material is not expected to cause any serious environmental hazards. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802. This product is miscible in water and is expected to readily disperse in marine environments						
<b>Procedures To Be Taken if Material Is Released or Spilled:</b> Immediately absorb spilled material with absorbent material. Shovel up and put in an approved waste disposal container. Keep out of sewers and waterways. Use appropriate protective equipment when cleaning up spills						
<b>Waste Disposal Method:</b> Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is not considered to be a RCRA Hazardous waste.						
<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>						
<b>Respiratory Protection:</b> None required under ordinary conditions of use.						
<b>Ventilation:</b> Provide exhaust ventilation or other engineering controls to keep airborne concentrations below recommended exposure limits.						
<b>Eye Protection:</b> Goggles or face shield.						
<b>Protective Clothing:</b> PVC coated or butyl rubber gloves. Long sleeve outer garment, apron or lab coat. Wear heat protected boots and protective clothing when handling materials at elevated temperatures.						

Date Prepared: 11/1/2009

OF-1049 Rev. (4/85)

**SECTION 9 – SPECIAL PRECAUTIONS**

**Precautions To Be Taken In Handling and Storage:** Avoid inhalation of vapors or mist. Do not store near strong oxidizers. Launder clothing before reuse. Wash skin thoroughly with soap and water after handling. Keep containers closed when not in use.

**Special Comments:** Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling. Keep away from food and feed products

**SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA**

**NFPA and HMIS Ratings**

Health = 2, Fire = 0, Reactivity = 0

This product contains amines. As such, products containing nitrates or other nitrosating agents should not be mixed with this fluid. Such a mixture can cause the formation of nitrosamines. Nitrosamines have been found to be carcinogenic to laboratory animals.

This product does not contain greater than 0.1% of any of the chemicals that have been found to cause cancer as listed in the National Toxicology Program's Annual Reports, the International Agency for Cancer Research Monographs, or OSHA's Subpart Z List.

This product does not contain any of the chemicals that are listed as potential cancer causing agent or reproductive toxins in the State of California's Proposition 65 List.

This product does not contain any chemicals that are listed in the SARA Title III Section 302, 304, and 313 lists.

**Acute Toxicity**

Diethylene Glycol

Oral LD50 – 12565 mg/kg rat

LD50 Skin: 11.89 g/kg rabbits

Oxirane,methyl-polymer with oxirane,ether with 2-2-(hydroxyomethyl)-1,3 Propanediol (3:1)

Oral LD50 – 2,000 mg/kg rat

Morpholine

Oral LD50 – 1,050 mg/kg rat

**Section 11 TRANSPORTATION INFORMATION**

US DOT: Not regulated as a hazardous material

IATA – Not regulated as a hazardous material

IMDG – Not regulated as a hazardous material

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers.**