



I. Chemical Product and Company Identification

Product Name: XL-8
Identification #: 35-450-0088
Product Use/Class: Crosslinker
Supplier: Nabors Completion and Production Services
515 W. Greens Road, Suite 1100, Houston, TX 77067
Supplier Tracking Code: 472
Emergency Contact: CHEMTREC 1 (800) 424-9300
Prepared By: RAA
Date Prepared: 02/28/2008

II. Composition/Information on Ingredients

Chemical Name: Ethylene Glycol
CAS Number: 107-21-1
Percent by Mass Less Than: 10-30

Exposure Limits

Threshold Limit Value - Time Weighted Average: None Established
Threshold Limit Value - Short Term Exposure Limit: 50 ppm
Permissible Exposure Limit - Time Weighted Average: None Established
Permissible Exposure Limit - Ceiling: 50 ppm
Company Threshold Limit - Time Weighted Average: None Established

Skin: None Established

Chemical Name: Proprietary Component
CAS Number: XXXXX-XX-X
Percent by Mass Less Than: 3-7

Exposure Limits

Threshold Limit Value - Time Weighted Average: None Established
Threshold Limit Value - Short Term Exposure Limit: None Established
Permissible Exposure Limit - Time Weighted Average: None Established
Permissible Exposure Limit - Ceiling: None Established
Company Threshold Limit - Time Weighted Average: None Established

Skin: None Established

III. Hazardous Identification

Emergency Overview:	May cause eye and skin irritation.
Eye Contact:	Severly irritating. If not removed promptly, product will injure eye tissue, which may result in permanent damage.
Skin Contact:	May cause skin irritation. Allergic reactions are possible.
Inhalation:	Prolonged inhalation may be harmful and can cause headaches, dizziness, nausea, decreased blood pressure, and changes in heart rate. May be irritating to mucous membranes and lung tissue.
Ingestion:	This material may be harmful or fatal if swallowed. May be irritating to mouth, throat, and stomach.
Chronic Harards:	Overexposure may cause nervous system damage, liver damage, lung damage, and/or kidney disorder and damage.

Primary Route(s) of Entry:	<input type="checkbox"/> Skin Contact	<input type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Ingestion
	<input type="checkbox"/> Skin Absorbtion	<input type="checkbox"/> Inhalation	

IV. First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if irritation persists.
Skin Contact:	Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation persists.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

V. Fire Fighting Measures

Flash Point:	>200 F
Auto Ignition Temperature:	N/A
Lower Explosive Temp.:	N/A
Upper Explosive Temp.:	N/A
Extinguishing Media:	CO2, Dry Chemical, Foam, Water Fog
Unusual Fire and Explosive Harards:	Empty containers retain product residue and can be dangerous.
Special Fire Fighting Procedures:	As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

VI. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. (See exposure contros / Presonal protection section) Spilled material should be contained and disposed of according to applicable regulations.
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VII. Handling and Storage

Handling:	Wash thoroughly after handling.
Storage:	Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

VIII. Exposure Controls/Personal Protection

Engineering Controls:	Local exhaust and ventilation may be necessary to control any air contaminants to within their exposure limits.
Respiratory Protection:	Use a NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge when airborne concentrations are expected to exceed exposure limits. Protection by air purifying respirators is limited.
Skin Protection:	Where contact is likely, wear chemical resistant gloves and rubber boots.
Eye Protection:	Wear safety glasses with side shields (or goggles).
Other Protective Equipment:	Emergency eyewash stations and deluge showers should be available in the work area.
Hygienic Practices:	Wash hands before eating. Use only with adequate ventilation. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material.

IX. Physical and Chemical Properties

Boiling Point:	339-387 F	Vapor Density:	Not Determined
Odor:	None	Odor Threshold:	No Information
Appearance:	Light yellow	Evaporation Rate:	No Information
Solubility in H2O:	Complete	Specific Gravity:	1.1050
Freeze Point:	Not Determined	pH at 50.0%:	6-8 @ 100%
Vapor Pressure:	N/A	Viscosity:	No Information
Physical State:	Liquid		
Coefficient of Water Oil Distribution:	No Information		

X. Stability and Reactivity

Conditions to Avoid:	Avoid temperature extremes and incompatibles.
Incompatibility:	Avoid contact with strong acids and strong bases.
Hazardous Decomposition Products:	Oxides of carbon and nitrogen.
Hazardous Polymerization:	Will not occur under normal conditions.
Stability:	This product is stable under normal storage conditions.

XI. Toxicological Properties

Toxicological Properties:	No product information is available.
Oral:	No product information is available.
Dermal:	No product information is available.
Inhalation:	No product information is available.

XII. Ecological Information

Ecological Properties:	No product information is available.
Ecotoxicity:	No product information is available.
Chemical Fate Information:	No product information is available.

XIII. Disposal Consideration

Disposal Method: Consult local, state, and federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

RCRA Status: Not Determined.

XIV. Transportation Information

DOT Proper Shipping Name: Not DOT Regulated

DOT Technical Name:

DOT Hazard Class:

DOT Hazard Subclass:

DOT UN/NA Number:

Packing Group:

Resp. Guide Page:

XV. Regulatory Information

OSHA:	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)		
TSCA Status:	All components of this product are listed on the Toxic Substance Control Act Inventory or are excluded from the listing requirements.		
CERCLA SARA:	This product has been reviewed according to the EPA 'Hazard Categories' promulgated under the sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Immediate Health Hazard.		
SARA Section 313 Required Reporting:	Chemical	CAS Number	WT/WT%
	Ethylene Glycol	107-21-1	10-30

XVI. Other Information

Other Information:	NA = Not applicable ND = Not Determined NI = No Information NE = Not Established			
MSDS Updated:	1/1/2012			
MSDS Printed:	1/9/2015			

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, or when used in conjunction with other products, exposures must be evaluated by the user so that appropriate handling practices and training programs can be established to ensure safe workplace operations. This information is confidential to Nabors Completion & Production Services Company (Nabors) and intended solely for the use of the individual or entity to whom they are directly distributed. Distribution or use beyond the individual or entity is strictly prohibited without the consent of Nabors.