

MATERIAL SAFETY DATA SHEET**Spal-Pro Stabilizer EXP Part A Polyol**

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Spal-Pro Stabilizer EXP Part A Polyol

MANUFACTURED BY
Metzger McGuire Co., Inc.
557 Route 3-A
Bow, NH 03304
800-223-6680 www.metzgermcguire.com24 HOUR EMERGENCY TELEPHONE NUMBER
Chemtrec: 800-424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS</u>
Diethylene Glycol	<= 5	111-46-6
Ethylene Glycol	<= 5	107-21-1
Oxypropylated Glycerol	<= 25	25791-96-2

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Amber liquid.

IMMEDIATE CONCERNS: Irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: May cause mild irritation.

SKIN: May cause mild irritation.

INGESTION: Harmful if swallowed. Ingestion of large volumes may cause kidney and liver injury due to glycol content.

INHALATION: Mists may cause irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Contact may cause transient redness or swelling.

SKIN: Contact may cause transient redness or swelling.

INGESTION: Ingestion may cause gastrointestinal discomfort.

INHALATION: Inhalation of mists may be irritating to nose, throat, and lungs.

ROUTES OF ENTRY: Inhalation, skin contact, eye contact, ingestion.

TARGET ORGAN STATEMENT: Kidney, liver, central nervous system, respiratory system.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash clothing thoroughly before reuse. Get medical attention if swelling or redness persists, or if irritation persists.

INGESTION: Do not induce vomiting. Never give anything by mouth to a drowsy or unconscious person. If the individual is conscious, rinse mouth with water. Give 1 to 2 cups of water to drink. If large quantities are swallowed, seek immediate medical attention. Otherwise, get medical attention if symptoms occur.

INHALATION: Remove individual from exposure, keep warm and at rest. If respiratory irritation develops, get medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 200 °F (Closed Cup)

EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Alcohol Foam, Water Fog or Spray. Do not spray water directly into storage container due to danger of boilover.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide. Various Hydrocarbons.

FIRE FIGHTING PROCEDURES: Isolate fuel supply from fire. Use water spray to cool fire-exposed surfaces and containers. Avoid spreading burning liquid with water used for cooling purposes. Fire fighters should wear self-contained breathing apparatus in addition to emergency fire fighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills wearing proper personal protective equipment. (See section 8) Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical waste container.

LARGE SPILL: Create a dike or trench to contain materials. Prevent entry into waterways, sewers, basements or confined areas. Clean-up personnel should wear appropriate personal protection equipment. (see section 8) May be a slipping hazard. Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical waste container. Wash residues from area with soap and water and rinse. Contaminated water should be retained and not allowed to flow into ground or surface water.

RELEASE NOTES: Spills and releases may need to be reported to federal and/or local authorities. See Section 15 regarding reporting requirements.

SPECIAL PROTECTIVE EQUIPMENT: See Section 8. Clean-up crews should always wear Personal Protective Equipment.

COMMENT: Dispose of by any standard method of disposal in accordance with good industrial practice and in compliance with federal, state, and local environmental protection regulations.

7. HANDLING AND STORAGE

HANDLING: Wear proper personal protective equipment. Use in a well ventilated area. Avoid smoking, bare lights, or ignition sources. Avoid physical damage to containers. Practice good hygiene procedures.

STORAGE: Protect from atmospheric moisture. Keep containers sealed in order to avoid contamination. Do not reseal if contaminated. Store indoors in a cool, well-ventilated area.

STORAGE TEMPERATURE: 60 °F – 120 °F

SHELF LIFE: 6 months

SPECIAL SENSITIVITY: Material is hygroscopic and may absorb small amounts of atmospheric moisture.

COMMENT: See Section 10 for more information on precautions concerning storage and handling of this material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>CHEMICAL NAME</u>		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Diethylene Glycol	TWA	NE	NE	NE	NE	50 (A)	
Ethylene Glycol	TWA	NE	NE				
	STEL			50*	127*		
Oxypropylated Glycerol	TWA	NE	NE	NE	NE		

KEY:

A = Aerosol

* = Ceiling

NE = Not Established

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields.

SKIN: Wear impervious gloves and clothing to cover exposed skin.

RESPIRATORY: If adequate engineering controls are not feasible, an approved respirator must be worn.

WORK HYGIENIC PRACTICES: Follow good normal hygiene practices. Avoid contact with skin. Avoid eating, drinking, or smoking while using this product. Wash hands thoroughly after use.

OTHER PROTECTIVE EQUIPMENT: Safety showers and eye wash stations are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slightly musty

COLOR: Amber

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: Not determined

VISCOSITY: Not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Temperature extremes. Container contamination. Moisture.

STABILITY: Stable under recommended storage conditions.

POLYMERIZATION: May occur with certain contaminants. May occur at temperatures over 400 °F.

HAZARDOUS DECOMPOSITION PRODUCTS: By fire: Carbon Monoxide, Carbon Dioxide, Oxides or Nitrogen, Oxides of Sulfur.

INCOMPATIBLE MATERIALS: Strong acids, bases and oxidizers.

11. TOXICOLOGICAL INFORMATION

	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Diethylene Glycol	12000 mg/kg	11890 mg/kg	> 4.4 mg/L/4h
Ethylene Glycol	4700 mg/kg	9500 uL/kg	
Oxypropylated Glycerol	4600-4900 mg/kg	>2000 mg/kg	

EYE EFFECTS: Mild irritant

SKIN EFFECTS: Mild irritant

CARCINOGENICITY

IARC: Not classified as a carcinogen.
NTP: Not classified as a carcinogen.
OSHA: Not classified as a carcinogen.

12. ECOLOGICAL INFORMATION**EXOTOXICOLOGICAL INFORMATION:**Ethylene Glycol:

LC₅₀ (Goldfish) 27500-41000 mg/L (96 hours)
LC₅₀ (Bluegill/Sunfish) 27500-41000 mg/L (96 hours)
LC₅₀ (Rainbow trout) 41000 mg/L (96 hours)
LC₅₀ (Water flea) 46300 mg/L (48 hours)
EC₅₀ (Phylobacterium phosphoreum) 620 mg/L (30 minutes, Microtox test)

COMMENTS: No testing for product as a whole.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be in accordance with local, state, provincial or national regulations.

EMPTY CONTAINER: Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

RCRA HAZARD CLASS: If discarded in its purchased form, this material is not a hazardous waste under RCRA 40 CFR 261.

COMMENTS: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured down drains, sewers or waterways. Refer to Section 6 for additional information.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

Not regulated for transportation.

AIR (ICAO/IATA): Not restricted

VESSEL (IMO/IMDG): Not restricted

15. REGULATORY INFORMATION**UNITED STATES**

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate, Delayed

313 REPORTABLE INGREDIENTS: Ethylene Glycol

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Ethylene Glycol has a 5000 lb RQ (Reportable Quantity).

Any spill or release above the RQ must be reported to the National Response Center (800-424-8802).

NATIONAL RESPONSE CENTER: Any spill or release above the RQ must be reported to the National Response Center (800-424-8802).

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are on TSCA inventory.

RCRA STATUS: Not hazardous if discarded in its purchased form. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

OSHA HAZARD COMM. RULE: This material is classified as a hazardous material under the criteria outlined in the OSHA Hazard Communication Standard (HCS) at 29 CFR 1910.1200.

16. OTHER INFORMATION

HMIS RATING: Health – 1*, Flammability - 1, Physical Hazard - 1

HMIS RATING NOTES: If present, the asterisk signifies a chronic health hazard.

Rating system: 0 = low hazard to 4 = high hazard

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KEY LEGEND INFORMATION:

ACGIH - American Conference of Governmental Industrial Hygienists

EPA - Environmental Protection Agency

IARC - International Agency for Research on Cancer

NTP - National Toxicology Program

OEL - Occupational Exposure Limit

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TWA - Time Weighted Average

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