

## MATERIAL SAFETY DATA SHEET

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: XploSafe XPell  
Product Use : Prevention of Peroxides in Alkyl Ethers

Manufacturer: XploSafe, LLC  
1414 South Sangre Road  
Stillwater, Oklahoma 74074  
Office: 405-334-5720

### SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

<i>Composition</i>	<i>Percent</i>	<i>CAS Number</i>
Silicon Oxide	>99%	7631-86-9
Molybdenum Trioxide	<1%	1313-27-5

### SECTION 3 — HAZARDS IDENTIFICATION

Physical Appearance - Blue Extrudates/ Pellets, Odorless

Human health hazards - Dusts may be irritating to the nose, throat and respiratory tract.  
May cause sensitization by skin contact.

Safety hazards - No specific hazards.

Environmental precautions - No specific hazards.

### SECTION 4 — FIRST AID MEASURES

Inhalation - Remove afflicted person to fresh air, in case of breathing problems apply oxygen (only by trained staff); in the event of respiratory arrest commence pulmonary resuscitation – summon a physician or expert medical help.

Skin Contact - Remove contaminated clothing and wash the affected skin with soap and water, rinse the area thoroughly

Eye contact - Immediately rinse the eyes with drinkable running water for a period of approx. 10 minutes (continuous eye lavage) to get the water under the eyelids. In case of irritation seek expert medical help.

Ingestion - Rinse mouth with water, drink 2 – 3 glasses of water; DO NOT INDUCE VOMITING. In case of spontaneous vomiting prevent the person from choking on his/her own vomit. In case of unconsciousness, do not put anything into the affected person's mouth. Call a physician.

## **SECTION 5 — FIRE FIGHTING MEASURES**

Flash Point - N/E or N/A

Flammable Limits - Lower: N/A Upper: N/A

Extinguishing Media - Use suitable extinguishing media for surrounding materials and type of fire.

Special Fire Fighting Procedures: Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

Unusual Fire & Explosion Hazard - None recorded.

## **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Sweep up and containerize for reclamation or disposal.

## **SECTION 7 — HANDLING AND STORAGE**

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Observe all warnings and precautions listed for the product.

## **SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION**

Engineering Controls - Use only in well ventilated areas. Use local exhaust extraction.

Hygiene measures - Avoid contact with material. Wash hands thoroughly after handling. Do not reuse clothing if contaminated until thoroughly decontaminated.

Respiratory protection - Use either an atmosphere-supplying respirator or an air-purifying respirator for particulates.

Eye protection - Wear safety goggles or glasses to prevent eye contact.

Hand protection - Wear neoprene, nitrile, PVC or latex gloves to prevent contact.

Body Protection - When there is a possibility of exposure, wear a one piece coated overall with integral hood, safety boots, chemical-resistant without lace holes.

<b>Chemical Name</b>	<b>Authority</b>	<b>Limits</b>	<b>Special Notations</b>
Silica amorphous (non- crystalline)	ACGIH	TWA 10 mg/m <sup>3</sup>	total dust
Molybdenum Oxide	ACGIH	TWA 10 mg/m <sup>3</sup>	total dust

## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Appearance – Blue Granules.

Odor - Odorless.

% Volatiles by volume @ 21C (70F) – 0

Vapor Density (Air=1) - No information found.

Vapor Pressure (mm Hg) - No information found.

Evaporation Rate (BuAc=1) - No information found.

## **SECTION 10 — STABILITY AND REACTIVITY**

Stability - Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products - Toxic metal fumes may form when heated to decomposition.

## **SECTION 11 — TOXICOLOGICAL INFORMATION**

<b>Ingredient</b>	<b>Known</b>	<b>Anticipated</b>	<b>IARC Category</b>
Silicon Dioxide (7631-86-9)	No	No	1
Molybdenum Trioxide (1313-27-5)	No	No	None

## **SECTION 12 — ECOLOGICAL INFORMATION**

Environmental Fate - No information found.

Environmental Toxicity

Silicon Dioxide - LC50/96-hr – range 10-100 mg/L

Molybdenum Trioxide - LC50/96-hour values for fish are over 100 mg/l.

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

This product should be managed with an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## **SECTION 14 — TRANSPORT INFORMATION**

Not regulated

## **SECTION 15 — REGULATORY INFORMATION**

Product related hazard information  
Observe the general safety regulations when handling chemicals.

Ingredient Silicon Dioxide (7631-86-9)

This ingredient is listed in the US Environmental Protection Agency Toxic Substance Control Act substance inventory

Ingredient Molybdenum Trioxide (1313-27-5)

Federal and State Regulations

Pennsylvania RTK: Molybdenum trioxide Massachusetts RTK: Molybdenum trioxide TSCA 8(b) inventory: Molybdenum trioxide SARA 313 toxic chemical notification and release reporting: Molybdenum trioxide

Other Regulations : OSHA Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).  
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):

R25- Toxic if swallowed. R36- Irritating to eyes.

HMIS (U.S.A.):  
Health Hazard: 2  
Fire Hazard: 0  
Reactivity: 0  
Personal Protection: E

National Fire Protection Association (U.S.A.):  
Health: 2  
Flammability: 0  
Reactivity: 0  
Specific hazard:

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

**Information about limitation of use:**

For use only by technically qualified individual.

**SECTION 16 — OTHER INFORMATION**

NFPA Ratings – Health 2, Flammability 0, Reactivity 0

The above information is believed to be correct, but does not purport to be all-inclusive and shall only be used as a guide. XploSafe shall not be held liable for any damage resulting from handling or from contact with the above product.