



Revision Date 29-Oct-2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code P91016  
Product name ETP Gold Cutting Foam  
Recommended Use Lubricant  
Supplier Lawson Products, Inc.  
1666 East Touhy Avenue  
Des Plaines, IL 60018  
(847)-827-9666

Emergency telephone number (888) 426-4851

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
Flammable. Irritant. Harmful if swallowed.

Color Amber

Odor Solvent

Form Aerosol

Aggravated Medical Conditions None Known.  
Principal Routes of Exposure Eyes. Inhalation. Skin contact.

### Potential health effects

**Eyes** May cause the following effects: Irritation. Redness. Itching. Burning sensation.  
**Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.  
**Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death.  
**Ingestion** May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dimethyl Ether	115-10-6	25
Triethanolamine	102-71-6	2

#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Flush with plenty of water for at least 15 minutes. Seek medical attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Ingestion</b>	Do not induce vomiting. Give several glasses of water. Seek medical attention.
<b>Inhalation</b>	Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	< -17
<b>Flash point °F</b>	< 0
<b>Method</b>	No information available
<b>Autoignition temperature °C</b>	No data available
<b>Autoignition temperature °F</b>	No data available
<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	27
<b>Lower</b>	3.4

**Suitable extinguishing media**  
Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Fire and Explosion Hazards**

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. Containers may vent or burst under extreme or prolonged fire conditions. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Sensitivity to shock**  
No information available.

**Sensitivity to static discharge**  
No information available.

#### 6. ACCIDENTAL RELEASE MEASURES

**Methods for cleaning up**

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

#### 7. HANDLING AND STORAGE

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**Handling**

Keep container closed when not in use. Keep from excessive heat. Vapors may accumulate readily and may ignite explosively. Turn off other sources of ignition prior to use and until all vapors have dissipated. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Ensure adequate ventilation. Do not smoke. Ground and bond containers when transferring material. Do not puncture or incinerate. Do not take internally. Keep out of reach of children.

**Storage**

Store in temperatures below 120 degrees F. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Dimethyl Ether	-	-	-	-
Triethanolamine	-	-	5 mg/m <sup>3</sup>	-

**Ventilation and Environmental Controls**

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area. General: as necessary.

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Other precautions**

Avoid contact with the skin and the eyes Avoid breathing vapors or mists

**Personal protective equipment**

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor/particulate respirator.

**Hand Protection**

Gloves are not required in normal use. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves.

**Eye protection**

Avoid contact with eyes. Wear safety glasses with side shields.

**Skin and body protection**

None necessary under normal conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Form	Aerosol	Color	Amber
Odor	Solvent	Odor Threshold	No information available
pH	7.0	Specific Gravity	0.9
Vapor pressure	No data available	Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (ether = 1)	VOC Content	25.33%
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
		Boiling point/range °C	< -18 - 100
Boiling point/range °F	< 0 - 213	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	< -17
Flash point °F	< 0		

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

None known.

### Incompatability

None known.

### Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

### Polymerization

Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Dimethyl Ether</i> 115-10-6	-	-	308.5 mg/L
<i>Triethanolamine</i> 102-71-6	4190 mg/kg	2000 mg/kg	-

### Synergistic Products

None known

### Potential health effects

#### Sensitization

None known .

#### Chronic toxicity

See Section 2 . Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

**Mutagenic effects**

None known .

**Teratogenic effects**

None known .

**Reproductive toxicity**

None known .

**Target Organ Effects**

None Known.

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Dimethyl Ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Triethanolamine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**Specific Hazards**

Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

## 12. ECOLOGICAL INFORMATION

Dimethyl Ether

**Water Flea Data**

water flea LC50=1852 mg/L (96 h)

## 13. DISPOSAL CONSIDERATIONS

**Disposal Information**

Do not puncture or incinerate. Waste must be tested for ignitability to determine EPA hazardous waste numbers.

**Waste from residues / unused products**

As supplied, this product is a RCRA Hazardous Waste . Do not puncture or incinerate. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT**

UN1950 Aerosols, flammable (Dimethyl ether), Class 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

**TDG**

Consumer commodity &lt;1L

**IMDG/IMO**

UN1950 AEROSOLS (Dimethyl ether), Class 2.1

**IATA**

UN1950 Aerosols, flammable(Dimethyl ether),Class 2.1

**14. TRANSPORT INFORMATION**

**MEX**

UN1950 AEROSOLS (Eter metilico),2.1

**15. REGULATORY INFORMATION**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Dimethyl Ether	Not Listed	Listed	Not Listed
Triethanolamine	Not Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Dimethyl Ether	X	X	-	X
Triethanolamine	X	X	-	X

**CPRC**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	2
Reactivity	-	Physical Hazard	0

**Prepared By**

Michael Katz, Regulatory Affairs Specialist

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.