Material Safety Data Sheet

Revision Date *17-May-2006*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 97673
Product name Tefgel

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

Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

Color Light yellow **Odor** Solvent **Form** Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Eyes. Skin contact. Skin absorption. Inhalation. Ingestion.

Potential health effects

Eyes May cause the following effects:. Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Defatting. Chronic exposure causes drying effect on the skin .

Inhalation Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Decreased blood pressure. Changes in heart rate. Cyanosis. Extreme overexposure may cause. Central nervous system damage. Lung damage. Kidney damage. Harmful by inhalation.

Ingestion Harmful or fatal if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Hexane	110-54-3	60-100
Olefin Polymer	Proprietary	10-30
Propane/Isobutane/N-Butane	68476-86-8	10-30

4. FIRST AID MEASURES

Eye contact Flush eyes immediately with large amounts of water. Seek medical attention if irritation persists.

Skin contact Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. Seek medical attention.

Ingestion Seek medical attention immediately. Do not induce vomiting. Give victim a glass of water or milk. Contact physician or poison control center immediately. Do not give anything by mouth to an unconscious person.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method Pensky-Martens C.C.

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 9.5
Lower 1.0

Suitable extinguishing media
Carbon dioxide (CO2). Dry chemical. Foam. Water fog.

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
Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Soak up with noncombustible inert absorbent material. Place in non-leaking, tightly sealed container for proper disposal.

7. HANDLING AND STORAGE

Handling
Keep in a well-ventilated place. Thoroughly wash hands and exposed skin after handling. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Use only according to label directions. Handle empty containers as if they were full. Avoid breathing vapors. Avoid contact with skin, eyes and clothing.

Storage
Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Hexane	1800 mg/m³ 500 ppm	-	50 ppm 500 ppm other than n-hexane	N/D
Propane/Isobutane/N-Butane	-	-	-	-
Olefin Polymer	-	-	-	-

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.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Respiratory protection
If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Seek professional advise prior to respirator selection and use. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator may not provide adequate protection .

Hand Protection
Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection
ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection
Wear appropriate clothing to minimize skin contact. Rubber or plastic boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	Light yellow
Odor	Solvent	**Odor Threshold**	No information available
pH	No data available	**Specific Gravity**	No data available
Vapor pressure	80-90	**Vapor density**	heavier than air
Evaporation Rate	>1 (Butyl Acetate = 1)	**VOC Content**	4.49 lbs/gal
Water solubility	Negligible	**Partition Coefficient (n-octanol/water)**	No data available
		Boiling point/range °C	-41 - 70
Boiling point/range °F	-43 - 159	**Melting point/range °C**	0
Melting point/range °F	32	**Flash point °C**	-104
Flash point °F	-156		

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.

Conditions to avoid
Avoid sources of ignition. Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame.

Incompatability
Strong acids. Oxidizers. Amines. Alkalis.

Hazardous Decomposition Products
Carbon oxides. Nitrogen oxides (NOx). Chloride. Chlorine. phosgene.

Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Hexane *110-54-3*	28710 mg/kg	3000 mg/kg	48000 ppm
Propane/Isobutane/N-Butane *68476-86-8*	-	-	-
Olefin Polymer *Proprietary*	-	-	-

Synergistic Products
None known

Potential health effects

Sensitization
None known

Chronic toxicity
See Section 2 .

Mutagenic effects
None known

Teratogenic effects
None known

Reproductive toxicity
None known

Target Organ Effects
Central nervous system. Long term exposure to vapor may cause lung damage. Long term exposure to vapor may cause kidney damage.

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Hexane

Water Flea Data
water flea LC50=3.87 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products
Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Propane/Isobutane/n-Butane), Class 2.1
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable (Propane/Isobutane/N-Butane), Class 2.1

IMDG/IMO

UN1950 AEROSOLS, flammable (Propane/Isobutane/n-Butane), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/Isobutane/N-Butane), Class 2.1

MEX

UN1950 AEROSOLES (Propane/Isobutane/n-Butane), 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Hexane	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Hexane	Listed	Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Olefin Polymer	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Hexane	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X
Olefin Polymer	-	-	-	-

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**	1
Flammability	-	**Flammability**	4
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.