

# Material Safety Data Sheet

Revision Date 29-Mar-2013

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** 97673  
**Product name** Tefgel  
**Recommended Use** Lubricant  
  
**Supplier** Lawson Products, Inc.  
 8770 W.Bryn Mawr Ave.- Suite 900  
 Chicago, IL 60631  
 1-866-529-7664  
  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Extremely flammable. Vapors may cause flash fire or explosion. Contents under pressure. May cause eye/skin irritation. May cause irritation of respiratory tract. May be harmful if swallowed.

### Aggravated Medical Conditions

Central nervous system. Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product. Hexane may damage peripheral nerve tissue.

### Principal Routes of Exposure

Eyes. Skin contact. Skin absorption. Inhalation. Ingestion.

### Potential health effects

**Eyes** May cause the following effects: Irritation.  
  
**Skin** Skin Irritation. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Defatting. Frostbite.  
  
**Inhalation** Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.  
  
**Ingestion** Not likely to occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Swallowing substance will cause the following effects: Aspiration hazard.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name              | CAS-No     | Weight % |
|----------------------------|------------|----------|
| Hexane                     | 110-54-3   | 40-70    |
| Propane/Isobutane/N-Butane | 68476-86-8 | 7-13     |

|                        |           |     |
|------------------------|-----------|-----|
| Paraffinic Mineral Oil | 8042-47-5 | 1-5 |
|------------------------|-----------|-----|

## 4. FIRST AID MEASURES

**General advice** Show this safety data sheet to the doctor in attendance.  
  
**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.  
  
**Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.  
  
**Ingestion** Do not induce vomiting. Contact physician or poison control center immediately.  
  
**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

**Flash point °C** -96.4  
**Flash point °F** -141  
**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 (CO<sub>2</sub>). Dry chemical powder. 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

Containers can build up pressure if exposed to heat (fire). Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. 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.

### Hazardous decomposition products

See Section 10.

### Sensitivity to shock

No information available.

**Sensitivity to static discharge**

No information available.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Ensure adequate ventilation. Use personal protective equipment.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

**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**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate. Do not stick pin, nail, or any other sharp object into opening on top of can. 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.

**Storage**

Keep out of the reach of children. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

**NFPA Storage Code**

Store as Level 3 Aerosol (NFPA 30B)

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

| Chemical Name              | OSHA PEL (TWA)                    | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|----------------------------|-----------------------------------|--------------------|-----------------|------------------|
| Paraffinic Mineral Oil     | -                                 | -                  | -               | -                |
| Hexane                     | 500 ppm<br>1800 mg/m <sup>3</sup> | -                  | 50 ppm          | N/D              |
| Propane/Isobutane/N-Butane | -                                 | -                  | -               | -                |

**Ventilation and Environmental Controls**

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

**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.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Seek professional advise prior to respirator selection and use.

**Hand Protection**

Chemical resistant gloves.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

Wear appropriate clothing to prevent skin contact. Impervious clothing. Rubber or plastic boots. Apron. Coveralls.

**Other Protective Equipment**

A safety shower and eye wash station should be available for emergency use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |                          |
|---|--------------------------|
| Form                                    | Aerosol                  |
| Color                                   | Amber                    |
| Odor                                    | Solvent                  |
| Odor Threshold                          | No information available |
| pH                                      | No data available        |
| Specific Gravity                        | 0.6844                   |
| Vapor pressure                          | 80-90                    |
| Vapor density                           | heavier than air         |
| Evaporation Rate                        | >1 (Butyl Acetate = 1)   |
| Water solubility                        | Negligible               |
| VOC Content                             | 78.76%                   |
| Partition Coefficient (n-octanol/water) | No data available        |
| Boiling point/range °C                  | No data available        |
| Boiling point/range °F                  | No data available        |
| Melting point/range °C                  | No data available        |
| Melting point/range °F                  | No data available        |
| Flash point °C                          | -96.4                    |
| Flash point °F                          | -141                     |

**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Avoid sources of ignition.

**Incompatibility**

Strong oxidizing agents. Strong bases.

**Hazardous Decomposition Products**

Carbon oxides. Fumes.

**Polymerization**

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

| Chemical Name                            | LD50 (oral, rat) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat) |
|--|------------------|---------------------------|------------------------|
| Paraffinic Mineral Oil<br>8042-47-5      | 5000 mg/kg       | -                         | -                      |
| Hexane<br>110-54-3                       | 25 g/kg          | 3000 mg/kg                | 48000 ppm              |
| Propane/Isobutane/N-Butane<br>68476-86-8 | -                | -                         | -                      |

**Synergistic Products** None known**Specific Hazards** Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.**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. Eyes.  
Peripheral nervous system.  
Respiratory system. Skin.**Carcinogenic effects** None known .

| Chemical Name              | ACGIH OEL - Carcinogens | IARC       | NTP - Known Carcinogens | NTP - Suspected Human Carcinogens | OSHA RTK Carcinogens |
|----------------------------|-------------------------|------------|-------------------------|-----------------------------------|----------------------|
| Paraffinic Mineral Oil     | Not Listed              | Not Listed | Not Listed              | Not Listed                        | Not Listed           |
| 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           |

**12. ECOLOGICAL INFORMATION****Hexane****Water Flea Data***Daphnia magna* EC50>1000 mg/L (24 h)**13. DISPOSAL CONSIDERATIONS****Disposal Information**

Full or partially full containers are considered hazardous waste. Emptied container retains product residue. Do not reuse container.

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION****DOT**

May be classed as Consumer Commodity, ORM-D, UN1950, AEROSOLS, 2.1 (6), LIMITED QUANTITY

**TDG**

May be classed as Consumer Commodity, ORM-D, UN1950, AEROSOLS, 2.1 (6), LIMITED QUANTITY

**15. REGULATORY INFORMATION**

| Chemical Name | US EPA SARA 313 Emission Reporting |
|---------------|------------------------------------|
| Hexane        | Listed                             |

**State Regulations**

| Chemical Name              | New Jersey - RTK | Pennsylvania - RTK | California Prop. 65 |
|----------------------------|------------------|--------------------|---------------------|
| Paraffinic Mineral Oil     | Not Listed       | Not Listed         | Not Listed          |
| Hexane                     | Listed           | Listed             | Not Listed          |
| Propane/Isobutane/N-Butane | Not Listed       | Not Listed         | Not Listed          |

**International Inventories**

| Chemical Name              | EINECS | DSL | NDSL | TSCA |
|----------------------------|--------|-----|------|------|
| Paraffinic Mineral Oil     | X      | X   | -    | X    |
| Hexane                     | X      | X   | -    | X    |
| Propane/Isobutane/N-Butane | X      | X   | -    | X    |

**CPR**

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****HMIS****Health - 2**  
**Flammability - 4**

Product code **97673**

Product name **Tefgel**

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**16. OTHER INFORMATION**

Physical Hazard - 0

**Prepared By**

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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.