



LAWSON Products

# Safety Data Sheet

Issue date 21-May-2018

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Revision Number 2

## 1. IDENTIFICATION

### Product identification

Product identifier Lawson Tef Gel Penetrating Gel Lubricant with PTFE

Other means of identification 97673

Recommended use Lubricant

Restrictions on use For industrial use only

### Supplier

Corporate Headquarters:  
Lawson Products, Inc.  
8770 W. Bryn Mawr Ave., Suite 900  
Chicago, IL 60631  
(866) 837-9908

Canadian Distribution Center:  
Lawson Canada  
7315 Rapistan Court  
Mississauga, ON L5N 5Z4  
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

Website [www.lawsonproducts.com](http://www.lawsonproducts.com)

## 2. HAZARD(S) IDENTIFICATION

**Hazard Classification** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

Skin corrosion/irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

### Symbol



Signal word

DANGER

Hazard statements

H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H335 - May cause respiratory irritation  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary statements**

**General**

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P103 - Read label before use.

**Prevention**

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing and eye/face protection

**Response**

**General**

P321 - Specific treatment (see supplemental first aid instructions on this label)  
P308 + P313 - IF exposed or concerned: Get medical advice/attention

**Eyes**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Skin**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse

**Inhalation**

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

**Ingestion**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331 - Do NOT induce vomiting

**Fire**

P370 + P378 - In case of fire: Use carbon dioxide to extinguish

**Spill**

P391 - Collect spillage

**Storage**

P405 - Store locked up  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

**Hazard(s) Not Otherwise Classified (HNOC)**

None known.

**Physical Hazards Not Otherwise Classified (PHNOC)**

None known.

**Unknown acute toxicity**

0%.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Composition**

CAS# 110-54-3, Hexane maybe substituted for CAS# 64742-49-0, commercial hexanes.

Chemical name	CAS-No	Weight %
Hexane	110-54-3	60-70
Propane	68476-86-8	10-20
Polymeric Viscosity Modifier	MIXTURE	10-20
Paraffinic Mineral Oil	8042-47-5	1-10

The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST-AID MEASURES**

**Necessary first-aid measures**

**Inhalation**

Move to fresh air. Artificial respiration and/or oxygen may be necessary. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

**Ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Skin contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Most important symptoms (acute)**

Skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Harmful or fatal if swallowed and enters the airways.

**Most important symptoms (over-exposure)**

Skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Harmful or fatal if swallowed and enters the airways.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

Not available.

**Specific hazards**

Sensitivity to static discharge. Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

**Special protective equipment for fire-fighters**

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

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and**

Avoid contact with eyes. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Take precautionary measures against static discharge. Eliminate all

**emergency procedures** ignition sources (no smoking, flares, sparks or flames in immediate area). Contents under pressure. Do not puncture or incinerate cans. Stop leak if possible without personal risk. No special environmental precautions required. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.

**Methods and materials for containment and cleaning up** Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a cool, well-ventilated place. No known incompatibilities.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Hexane	500 ppm TWA 1800 mg/m <sup>3</sup> TWA	50 ppm PEL; 180 mg/m <sup>3</sup> PEL 500 ppm PEL (except n-Hexane); 1800 mg/m <sup>3</sup> PEL (except n-Hexane)	50 ppm TWA Skin	50 ppm TWA 180 mg/m <sup>3</sup> TWA
Propane	-			
Polymeric Viscosity Modifier	-			
Paraffinic Mineral Oil	-			

**Appropriate engineering controls** Showers, eyewash stations, and ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

**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.

**Canadian Province Occupational Exposure Limits**

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Hexane	50 ppm TWA 176 mg/m <sup>3</sup> TWA	20 ppm TWA	50 ppm TWA	50 ppm TWA 176 mg/m <sup>3</sup> TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA 176 mg/m <sup>3</sup> TWA 176 mg/m <sup>3</sup> TWA	50 ppm TWA

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Propane	-	-	-	-	-	-	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-	-	-	-	-	-	-
Paraffinic Mineral Oil	-	-	-	-	-	-	-	-	-	-

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Aerosol
Color	Amber, Slightly hazy
Odor	light vanilla
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C	-97
Flash point °F	-143
Flash point method used	Not available
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.720
Solubility	Practically insoluble
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available

Viscosity Not available

**10. STABILITY AND REACTIVITY**

Reactivity Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Avoid extreme temperatures. Avoid direct sunlight.

Incompatible materials None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure Dermal. Inhalation. Ingestion. Eyes.

Symptoms Vapors may irritate the throat and respiratory system. Vapors may cause drowsiness and dizziness. May cause irritation of respiratory tract. Causes eye and skin irritation. Avoid breathing vapors or mists. Avoid contact with eyes. Avoid contact with skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin contact may defat the skin and produce dermatitis. Harmful if swallowed. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Symptoms of overexposure may be headache, tiredness, nausea, and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Product is or contains a chemical which is a known or suspected reproductive hazard. May cause respiratory irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Target Organ Effects: Central nervous system damage. Eyes. Peripheral Nervous System (PNS). Respiratory system. Skin.

**Numerical measures of toxicity**

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Hexane	48000 ppm ( Rat ) 4 h	3000 mg/kg ( Rabbit )	15000 mg/kg ( Rat )
Propane	-	-	-
Polymeric Viscosity Modifier	-	-	-
Paraffinic Mineral Oil	-	> 5000 mg/kg Rat	>5000 mg/kg Rat

ATEmix (dermal) 7482 mg/kg

ATEmix (oral) 3401 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

**Carcinogenicity**

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Hexane	-	-	-	-
Propane	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-
Paraffinic Mineral Oil	-	-	-	-

**Canadian Province carcinogenicity limits**

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Hexane	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-	-	-
Paraffinic Mineral Oil	-	-	-	-	-	-

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish LC50
Hexane	-	2.1 - 2.98mg/L Pimephales promelas 96h
Propane	-	-
Polymeric Viscosity Modifier	-	-
Paraffinic Mineral Oil	-	> 10000mg/L Lepomis macrochirus 96h

**Persistence and degradability** Not available.

**Bioaccumulation**

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Hexane 110-54-3	110-54-3	4 at 20 °C (at pH 7, ECHA_API) 3.44 at 25 °C (at pH 7, ECHA_API); 3.93 at 20 °C (at pH 7, ECHA_API)	-
Propane 68476-86-8	68476-86-8	<=2.8	-
Polymeric Viscosity Modifier MIXTURE	MIXTURE	-	-
Paraffinic Mineral Oil 8042-47-5	8042-47-5	>6	-

**Mobility in soil** Not available.

**Other adverse effects** Not available

**13. DISPOSAL CONSIDERATIONS**

**Disposal information** This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse containers.

**14. TRANSPORTATION INFORMATION**

**Shipping Descriptions**

**DOT**

ID-No UN1950  
 Proper shipping name Aerosols  
 Hazard Class(es) 2.1  
 Special Provisions LTD QTY

**TDG**

ID-No UN1950  
 Proper shipping name Aerosols  
 Hazard Class(es) 2.1  
 Special Provisions LTD QTY

**IATA**

ID-No UN1950  
 Proper shipping name Aerosols, flammable  
 Hazard Class(es) 2.1  
 Special Provisions LTD QTY

**IMDG/IMO**

ID-No UN1950  
 Proper shipping name Aerosols  
 Hazard Class(es) 2.1  
 EmS No 2-13  
 Special Provisions LTD QTY

**Marine Pollutants**

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Hexane	110-54-3	X	X	X
Propane	68476-86-8	-	-	X
Polymeric Viscosity Modifier	MIXTURE	-	-	-
Paraffinic Mineral Oil	8042-47-5	-	-	-

**Special Precautions**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**15. REGULATORY INFORMATION**

**State regulations**

U.S. state Right-to-Know regulations



Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Hexane	110-54-3	X	X	X
Propane	68476-86-8	-	-	-
Polymeric Viscosity Modifier	MIXTURE	-	-	-
Paraffinic Mineral Oil	8042-47-5	-	-	-

California Prop. 65 Not Listed

Chemical name	CAS-No	California Prop. 65
Hexane	110-54-3	Male Reproductive
Propane	68476-86-8	-
Polymeric Viscosity Modifier	MIXTURE	-
Paraffinic Mineral Oil	8042-47-5	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Hexane	110-54-3	5000 lb 2270 kg	1.0 %
Propane	68476-86-8	-	-
Polymeric Viscosity Modifier	MIXTURE	-	-
Paraffinic Mineral Oil	8042-47-5	-	-

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard  
Chronic Health Hazard  
Sudden Release of Pressure Hazard  
Fire Hazard

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Hexane	X	X	X	-
Propane	X	-	X	-
Polymeric Viscosity Modifier	-	-	-	-
Paraffinic Mineral Oil	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 2  
Flammability 4

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Instability 0

**HMIS**

Health 2 \*  
Flammability 4  
Physical hazards 1  
Personal protection B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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**Revision note**

**Key to abbreviations**

- ACGIH (American Conference of Governmental Industrial Hygienists)
- ATE (Average Toxicity Estimate)
- DSL/NDL (Domestic Substance List/Non-Domestic Substance List)
- HMIS (Hazardous Materials Identification System)
- IARC (International Agency for Research on Cancer)
- IATA (International Air Transport Association)
- IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
- NFPA (National Fire Protection Association)
- NTP (National Toxicology Program)
- OEL (Occupational Exposure Level)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- TSCA (Toxic Substance Control Act)
- USEPA (United States Environmental Protection Agency)

**Disclaimer**

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.

**End of Safety Data Sheet**