

Issue date 21-May-2018

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Revision Number 1

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)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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 appropriate method 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/Isobutane/N-Butane	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 emergency procedures

Avoid contact with eyes. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Take precautionary measures against static discharge. Eliminate all 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)	ACGIH OEL (TWA)	NIOSH - TWA
Hexane	500 ppm TWA 1800 mg/m ³ TWA	50 ppm TWA Skin	50 ppm TWA 180 mg/m ³ TWA
Propane/Isobutane/N-Butane	-	-	-
Polymeric Viscosity Modifier	-	-	-
Paraffinic Mineral Oil	5 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ STEL 5 mg/m ³ TWA

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	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Hexane	50 ppm TWA 176 mg/m ³ TWA	20 ppm TWA	50 ppm TWA	50 ppm TWA 176 mg/m ³ TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWAEV 176 mg/m ³ TWAEV	62.5 ppm STEL 50 ppm TWA
Propane/Isobutane/N-Butane	-	-	-	-	-	-	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-	-	-	-	-	-	-
Paraffinic Mineral Oil	10 mg/m ³ STEL 5 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ STEL 5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ STEV 5 mg/m ³ TWAEV	10 mg/m ³ STEL 5 mg/m ³ TWA

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)	= 25 g/kg (Rat) = 15000 mg/kg (Rat)
Propane/Isobutane/N-Butane	-	-	-
Polymeric Viscosity Modifier	-	-	-
Paraffinic Mineral Oil	= 2062 ppm (Rat) 4 h	-	> 5000 mg/kg (Rat) > 24 g/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 RTK Carcinogens	NTP
Hexane	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-
Paraffinic Mineral Oil	A4 A2	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Hexane	-	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-	-
Polymeric Viscosity Modifier	-	-	-	-	-	-
Paraffinic Mineral Oil	-	IARC 1	ACGIH A2 ACGIH A4	-	ACGIH A2 ACGIH A4	-

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Hexane 110-54-3	110-54-3	-
Propane/Isobutane/N-Butane 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/Isobutane/N-Butane	68476-86-8	-	-	-

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
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/Isobutane/N-Butane	68476-86-8	-	-	-
Polymeric Viscosity Modifier	MIXTURE	-	-	-
Paraffinic Mineral Oil	8042-47-5	X	X	X

California Prop. 65

Not Listed

Chemical name	CAS-No	California Prop. 65
Hexane	110-54-3	Male Reproductive
Propane/Isobutane/N-Butane	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/Isobutane/N-Butane	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

International inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

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

Legend X - Listed

16. OTHER INFORMATION**NFPA**

Health 2
 Flammability 4
 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/NDSL (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