

SAFETY DATA SHEET

1. Identification

Product number 19911
Product identifier **WHITE LUBE FOR HINGES**
Company information Lawson Products, Inc.
 877 W. Bryn Mawr Ave.
 Chicago, IL 60631 United States
Company phone 773-304-5050
Emergency telephone US 888-426-4851
Version # 01
Recommended use Lubricant
Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Health hazards Acute toxicity, oral Category 2
 Skin corrosion/irritation Category 2
 Carcinogenicity Category 1B
 Reproductive toxicity (fertility) Category 2
 Specific target organ toxicity, repeated exposure Category 2
 Aspiration hazard Category 1
OSHA defined hazards Not classified.

Label elements



Signal word

Danger

Hazard statement

Extremely flammable aerosol. Fatal if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. May cause cancer. Suspected of damaging fertility. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Avoid breathing mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see this label). Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Not classified.

Environmental hazards

Hazardous to the aquatic environment, acute Category 2 hazard
 Hazardous to the aquatic environment, long-term hazard Category 2

Supplemental information

Hazard statement	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Prevention	Avoid release to the environment.
Response	Collect spillage.

55.17% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition/information on ingredients

Mixtures

Hazardous components	Common name and synonyms	CAS number	%
Chemical name			
Distillates (Petroleum), Hydrotreated Heavy Naphthenic		64742-52-5	20 - 40
Naphtha (petroleum), hydrotreated light		64742-49-0	20 - 40
Solvent Naphtha (Petroleum), Light Aliphatic		64742-89-8	20 - 40
n-Hexane		110-54-3	10 - 20
Butane		106-97-8	2.5 - 10
Propane		74-98-6	2.5 - 10
Zinc Oxide		1314-13-2	1 - 2.5
Cyclohexane		110-82-7	0.1 - 1
n-Heptane		142-82-5	0.1 - 1
Octane		111-65-9	0.1 - 1
Other components below reportable levels			0 - 0.1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the MSDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

7. Handling and storage

Precautions for safe handling

Do not taste or swallow. When using, do not eat, drink or smoke. Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Wash thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS). Level 3 Aerosol.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Cyclohexane (CAS 110-82-7)	PEL	1050 mg/m ³	
n-Heptane (CAS 142-82-5)	PEL	300 ppm 2000 mg/m ³	
n-Hexane (CAS 110-54-3)	PEL	500 ppm 1800 mg/m ³	
Octane (CAS 111-65-9)	PEL	500 ppm 2350 mg/m ³	
Propane (CAS 74-98-6)	PEL	500 ppm 1800 mg/m ³	
Zinc Oxide (CAS 1314-13-2)	PEL	1000 ppm 5 mg/m ³	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Cyclohexane (CAS 110-82-7)	TWA	100 ppm	
n-Heptane (CAS 142-82-5)	STEL	500 ppm	
n-Hexane (CAS 110-54-3)	TWA	400 ppm	
Octane (CAS 111-65-9)	TWA	50 ppm	
Zinc Oxide (CAS 1314-13-2)	TWA	300 ppm	
	STEL	10 mg/m ³	Respirable fraction.
	TWA	2 mg/m ³	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Butane (CAS 106-97-8)	TWA	1900 mg/m ³ 800 ppm	
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m ³	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
n-Heptane (CAS 142-82-5)	Ceiling	300 ppm 1800 mg/m3	
	TWA	440 ppm 350 mg/m3	
	TWA	85 ppm 180 mg/m3	
n-Hexane (CAS 110-54-3)		50 ppm	
Octane (CAS 111-65-9)	Ceiling	1800 mg/m3	
	TWA	385 ppm 350 mg/m3	
Propane (CAS 74-98-6)	TWA	75 ppm 1800 mg/m3	
		1000 ppm	
Zinc Oxide (CAS 1314-13-2)	Ceiling	15 mg/m3	Dust.
	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3 5 mg/m3	Dust. Fume.

Biological limit values

ACGIH Biological Exposure Indices Components	Value	Determinant	Specimen Sampling Time
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedione, without hydrolysis	Urine *

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear protective gloves.

Other Not available.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Color Not available.

Form Aerosol.

Physical state Gas.

Flash point -156.00 °F (-104.44 °C) Propellant estimated

Melting point/freezing point Not available.

Odor Not available.

pH Not available.

Solubility(ies) Not available.

Vapor density Not available.

Vapor pressure 40 psig @20 C estimated

Viscosity Not available.

Other information

Specific gravity 0.403 estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions Not available.
Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information**Information on likely routes of exposure**

Ingestion Fatal if swallowed.
Inhalation Narcotic effects.
Skin contact Causes mild skin irritation.
Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death. Skin irritation. May cause central nervous system effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity Fatal if swallowed.

Product	Species	Test Results
WHITE LUBE FOR HINGES (CAS Mixture)		
Acute		
<i>Dermal</i>		
LD50	Rat	6510.541 mg/kg, estimated
<i>Inhalation</i>		
LC50	Mouse	9909.6475 mg/l, 2 Hours, estimated 444.965 mg/l, 4 Hours, estimated
	Rat	30652.2559 mg/l, 4 Hours, estimated 18646.252 mg/l, 15 Minutes, estimated 4288.4902 mg/l/4h, estimated
LD50	Mouse	25236.2109 mg/l, 2 Hours, estimated
<i>Oral</i>		
LD50	Rat	203.9189 mg/kg, estimated
	Wistar rat	416.3526 mg/kg, estimated
<i>Other</i>		
LD50	Mouse	71193.1953 mg/kg, estimated 1475.5574 ml/kg, estimated
	Rat	8399.2363 mg/kg, estimated
Components	Species	Test Results
Butane (CAS 106-97-8)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
Cyclohexane (CAS 110-82-7)		
Acute		
<i>Inhalation</i>		
NOEL	Monkey	1243 mg/l, 6 Hours
<i>Oral</i>		
LD50	Mouse	1300 mg/kg
	Rat	29820 mg/kg

Components	Species	Test Results
n-Heptane (CAS 142-82-5)		
Acute		
<i>Inhalation</i>		
LC50	Rat	103 mg/l, 4 Hours
LD50	Mouse	75 mg/l, 2 Hours
<i>Other</i>		
LD50	Mouse	222 mg/kg
n-Hexane (CAS 110-54-3)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	48000 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	24 mg/kg
	Wistar rat	49 mg/kg
Octane (CAS 111-65-9)		
Acute		
<i>Inhalation</i>		
LC50	Rat	
Propane (CAS 74-98-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	118 mg/l, 4 Hours
		> 1442.847 mg/l, 15 Minutes
Zinc Oxide (CAS 1314-13-2)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	658 mg/l/4h
<i>Oral</i>		
LD50	Mouse	> 5.7 mg/l, 4 Hours
	Mouse	7950 mg/kg
	Rat	> 5 g/kg
<i>Other</i>		
LD50	Rat	240 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	May cause cancer.	
Reproductive toxicity	Suspected of damaging fertility.	
Specific target organ toxicity - single exposure	Narcotic effects.	
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
12. Ecological information		
Ecotoxicity	Toxic to aquatic life with long lasting effects.	
Components	Species	Test Results
Cyclohexane (CAS 110-82-7)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 23.03 - 42.07 mg/l, 96 hours
Components	Species	Test Results
n-Heptane (CAS 142-82-5)		

Aquatic

Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours
Solvent Naphtha (Petroleum), Light Aliphatic (CAS 64742-89-8)			
Algae	IC50	Algae	4700 mg/L, 72 Hours

Zinc Oxide (CAS 1314-13-2)

Aquatic

Fish	LC50	Fathead minnow (Pimephales promelas)	2246 mg/l, 96 hours
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Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Propane	2.36
Butane	2.89
Cyclohexane	3.44
n-Hexane	3.9
n-Heptane	4.66
Octane	5.18

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Cyclohexane (CAS 110-82-7) U056

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Subsidiary class(es)	Not available.
Packing group	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	None
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Subsidiary class(es)	-
Packaging group	Not available.
Environmental hazards	Yes
Labels required	2.1
ERG Code	10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions LTD QTY

IMDG

UN number UN1950

UN proper shipping name AEROSOLS, MARINE POLLUTANT

Transport hazard class(es) 2.1

Subsidiary class(es) -

Packaging group Not available.

Environmental hazards

Marine pollutant Yes

Labels required None

EmS Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT



IATA: IMDG



Marine pollutant



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Cyclohexane (CAS 110-82-7)

LISTED

n-Hexane (CAS 110-54-3)

LISTED

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

n-Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)
 Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

Food and Drug Administration (FDA) Not regulated.

US state regulations**US. New Jersey Worker and Community Right-to-Know Act**

Butane (CAS 106-97-8)	500 lbs
Cyclohexane (CAS 110-82-7)	500 lbs
n-Hexane (CAS 110-54-3)	500 lbs
Propane (CAS 74-98-6)	500 lbs

US. Pennsylvania RTK - Hazardous Substances

Butane (CAS 106-97-8)
 Cyclohexane (CAS 110-82-7)
 n-Heptane (CAS 142-82-5)
 n-Hexane (CAS 110-54-3)
 Octane (CAS 111-65-9)
 Propane (CAS 74-98-6)
 Zinc Oxide (CAS 1314-13-2)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reprod harm.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 03-25-2014

Version # 01

Further information**Prepared By:**

Not available.

Maureen Ruggeberg, Regulatory Affairs Specialist

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.