



Safety Data Sheet LUBE XLS[†]

1. Identification

1.1 Product identifier

Product name LUBE XLS[†]
Product code 10755

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lubricant.
Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Supplier
M-I L.L.C.

P.O.Box 42842
Houston, TX 77242
www.miswaco.slb.com
Telephone: 1 281-561-1511

Prepared by
Global Regulatory Compliance - Chemicals (GRC - Chemicals) , Asif Babar

1.4 Emergency Telephone Number

Emergency telephone (24 Hour) Australia +61 2801 44558, Asia Pacific +65 3158 1074, China +86 10 5100 3039, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, New Zealand +64 9929 1483, USA 001 281 561 1600

2. Hazards identification

2.1 Classification of the substance or mixture

GHS - Classification

Health hazards Toxic if swallowed Causes skin irritation CAUSES EYE IRRITATION

| | |
|-----------------------------------|------------|
| Acute oral toxicity | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |

Environmental hazards Not classified

Physical Hazards Not classified

2.2 Label elements



Signal word

WARNING

Hazard statements

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501 - Dispose of contents/ container to an approved waste disposal plant

Supplementary precautionary statements

P330 - Rinse mouth
P362 - Take off contaminated clothing and wash before reuse

Unknown acute toxicity 56% of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/information on Ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

| Component | CAS-No | Weight % - range |
|---------------------------------------|------------|------------------|
| Polypropylene glycol monomethyl ether | 37286-64-9 | 30 - 60 |

Comments

The product contains other ingredients which do not contribute to the overall classification. The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

4.1 First-Aid Measures

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

| | |
|---------------------|--|
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention. |
| Skin contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur. |
| Eye contact | Remove contact lenses. Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

4.2 Most important symptoms and effects, both acute and delayed

General advice The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.

Main symptoms

| | |
|---------------------|---|
| Inhalation | Please see Section 11. Toxicological Information for further information. |
| Ingestion | Please see Section 11. Toxicological Information for further information. |
| Skin contact | Please see Section 11. Toxicological Information for further information. |
| Eye contact | Please see Section 11. Toxicological Information for further information. |

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water Fog, Alcohol Foam, CO₂, Dry Chemical.

Extinguishing media which shall not be used for safety reasons
None known.

5.2 Special hazards arising from the substance or mixture

Unusual fire and explosion hazards
None known.

Hazardous combustion products
Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

Special Fire-Fighting Procedures
Containers close to fire should be removed immediately or cooled with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment identified in Section 8. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Evacuate and ventilate the area. Prevent further leakage or spillage if safe to do so.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Environmental exposure controls

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.

6.4 Reference to other sections

See section 13 for more information.

7. Handling and storage

7.1 Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/precautions Ensure adequate ventilation.

Storage precautions Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid contact with:
Strong oxidizing agents

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits Contains no substances with occupational exposure limit values

| Component | ACGIH TLV | OSHA PEL |
|---------------------------------------|----------------|----------------|
| Polypropylene glycol monomethyl ether | Not Determined | Not Determined |

8.2 Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Engineering measures to reduce exposure

Ensure adequate ventilation.

Personal protective equipment

| | |
|---------------------------------|---|
| Eye protection | Tightly fitting safety goggles. |
| Hand protection | Use protective gloves made of:., Rubber, Neoprene, PVC, Be aware that liquid may penetrate the gloves. Frequent change is advisable. |
| Respiratory protection | No personal respiratory protective equipment normally required, In case of insufficient ventilation wear suitable respiratory equipment, Use respirator with organic vapor protection (A, brown). |
| Skin and body protection | Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place. |
| Hygiene measures | Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use. |

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Liquid |
| Appearance | No information available |
| Color | Amber |
| Odor | Slight |
| Odor threshold | Not applicable |

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> |
|-------------------------------------|--------------------------|--------------------------|
| pH | No information available | |
| pH @ dilution | 6.0 - 7.0 | (50 g/l IPA/water 80/20) |
| Melting/freezing point | No information available | |
| Boiling point/range | No information available | |
| Flash point | > 130 °C / > 266 °F | PMCC |
| Evaporation rate (BuAc =1) | No information available | |
| Flammability (solid, gas) | Not Applicable | |
| Flammability Limits in Air | | |
| Upper flammability limit | No information available | |
| Lower flammability limit | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific gravity | 0.91 - 0.95 | |
| Bulk density | No information available | |
| Water solubility | Slightly dispersible | |
| Solubility in other solvents | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Log Pow | Not determined | |
| Explosive properties | Not Applicable | |
| Oxidizing properties | None known. | |

9.2 Other information

| | |
|-------------------------|--------------------------|
| Pour point | < -10°C |
| Molecular weight | No information available |
| VOC content(%) | None |
| Density | No information available |

10. Stability and reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization

Hazardous polymerization does not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides (COx).

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| | |
|---------------------|--|
| Inhalation | Inhalation of vapors in high concentration may cause irritation of respiratory system. |
| Eye contact | Causes serious eye irritation. |
| Skin contact | Causes skin irritation. |
| Ingestion | Harmful if swallowed. |

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------------|-----------------------|-----------------------|-------------------|
| Polypropylene glycol monomethyl ether | = 48700 µL/kg (Rat) | > 20 mL/kg (Rabbit) | No data available |

| Component | IARC Group 1 or 2 | ACGIH - Carcinogens | OSHA listed carcinogens | NTP |
|---------------------------------------|-------------------|---------------------|-------------------------|-------------------|
| Polypropylene glycol monomethyl ether | No data available | No data available | No data available | No data available |

Sensitization This product does not contain any components suspected to be sensitizing.

Mutagenic effects This product does not contain any known or suspected mutagens.

Carcinogenicity This product does not contain any known or suspected carcinogens.

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

Developmental toxicity Not known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of exposure Ingestion. Eye contact. Skin contact.

Routes of entry Ingestion. Eye contact.

Specific target organ toxicity (single exposure) Not classified

Specific target organ toxicity (repeated exposure) Not classified.

Aspiration hazard No hazard from product as supplied.

12. Ecological information

12.1 Toxicity

Toxicity to algae
This product is not considered toxic to algae.

Toxicity to fish
This product is not considered toxic to fish.

Toxicity to daphnia and other aquatic invertebrates
This product is not considered toxic to invertebrates.

| Component | Toxicity to fish | Toxicity to algae | Toxicity to daphnia and other aquatic invertebrates |
|---|--------------------------|--------------------------|---|
| Polypropylene glycol monomethyl ether 37286-64-9 (30 - 60) | No information available | No information available | No information available |

12.2 Persistence and degradability

No product level data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Slightly dispersible.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects.

None known.

13. Disposal considerations

13.1 Waste treatment methods

Disposal Method Disposal should be made in accordance with federal, state and local regulations.
Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA,ADR/RID/ADG).

14.1 UN Number

| | |
|------------------------------------|---------------|
| UN No. (DOT) | Not regulated |
| UN No. (TDG) | Not regulated |
| UN/ID No. (ADR/RID/ADN/ADG) | Not regulated |
| UN No. (IMDG) | Not regulated |
| UN No. (ICAO) | Not regulated |

14.2 Proper shipping name

Not regulated for transportation by DOT, TDG, IMDG and ICAO/IATA.

14.3 Hazard class(es)

| | |
|-------------------------------------|---------------|
| DOT Hazard class | Not regulated |
| TDG Hazard class | Not regulated |
| ADR/RID/ADN/ADG Hazard class | Not regulated |
| IMDG Hazard class | Not regulated |
| ICAO Hazard class/division | Not regulated |

14.4 Packing group

| | |
|--------------------------------------|---------------|
| DOT Packing group | Not regulated |
| TDG Packing group | Not regulated |
| ADR/RID/ADN/ADG Packing group | Not regulated |
| IMDG Packing group | Not regulated |
| ICAO Packing group | Not regulated |

14.5 Environmental hazard

| | |
|------------------|----|
| Marine pollutant | No |
|------------------|----|

14.6 Special precautions

Not Applicable

15. Regulatory information

International inventories

| | |
|---|-----------------|
| USA (TSCA) | Does not Comply |
| Canada (DSL) | Does not Comply |
| European Union (EINECS and ELINCS) | Does not Comply |
| Philippines (PICCS) | Does not Comply |
| Japan (ENCS) | Does not Comply |
| China (IECSC) | Does not Comply |
| Australia (AICS) | Does not Comply |
| Korean (KECL) | Does not Comply |
| New Zealand (NZIoC) | Does not Comply |

U.S. Federal and State Regulations

| Component | SARA 302 / TPQs | SARA 313 | CERCLA RQ |
|---------------------------------------|-----------------|----------|-----------|
| Polypropylene glycol monomethyl ether | N/A | N/A | N/A |

State Comments

Proposition 65: This product is not known to contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer and/or reproductive toxicity at levels that are expected to pose a significant risk under anticipated use conditions.

Canadian Classification

This Safety Data Sheet has been prepared in compliance with the Hazardous Products Regulations.

16. Other information

Supersedes date 06/Jun/2002
Revision date 18/May/2015
Version 2
The following sections have been revised All sections. Updated according to GHS/CLP.

HMIS classification

Health 1
 Flammability 1
 Physical hazard 0
 PPE See Section 8.

N/A - Not Applicable, N/D - Not Determined.

†A mark of M-I L.L.C.

Disclaimer

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.