SDS no. PID2290 Version 7

Revision date 19/Mar/2018 Supersedes date 09/Feb/2017



Safety Data Sheet SAFE-LUBE*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1 Product identifier

SAFE-LUBE* **Product name**

PID2290 **Product code**

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

Schlumberger Canada, Ltd.

200, 125 - 9th Avenue SE Calgary, Alberta T2G 0P6, Canada

Telephone: 1-613-992-4624

E-mail address SDS@slb.com

Prepared by

Global Regulatory Compliance - Chemicals (GRC - Chemicals)

1.4 Emergency Telephone Number

Emergency telephone (24 Hour) Asia Pacific +65 3158 1074, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, USA +1 281 561 1600, Canada +1 800 579 7421, Argentina: +54 11 5984 3690, Brazil: 0800-720-8000/0800-777-2323 (WGRA)

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS - Classification

Health hazards Not classified

Environmental hazards Not classified



Physical Hazards Not classified

2.2 Label elements

Signal word

None

Hazard Statements

This product is not classified as hazardous therefore no (H) hazard statements assigned.

Precautionary statements

This product is not classified as hazardous therefore has no (P) precautionary statements assigned.

Unknown acute toxicity Not applicable.

3. Composition/information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.

Comments

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. Get medical attention if symptoms occur.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

Eye Contact Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses, if worn.

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.

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 must not be used for safety reasons

None known.

5.2. Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

Heating of containers may cause pressure rise, with risk of bursting.

Hazardous combustion products

Fire or high temperatures create:, Carbon oxides (COx), Potassium oxide, Chlorine, chlorine oxides, hydrogen chloride, Oxides of phosphorus, Phosphines.

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. See also section 8.

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 material 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

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).



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 heat, flames

and other sources of ignition. Avoid contact with: Oxidizing agents Reducing Agents

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure limits The product does not contain any hazardous materials with occupational exposure

limits established.

No biological limit allocated

IDLH (Immediately Dangerous to Life or Health)

Immediately Dangerous to Life or Health (IDLH) is established by the US National Institute for Occupational Safety and Health (NIOSH). The purpose of establishing an IDLH value is to ensure that the worker can escape from a given contaminated environment in the event of failure of the most protective respiratory protection equipment. In the event of failure of respiratory protection equipment every effort should be made to exit immediately.

8.2 Exposure controls

A risk assessment is recommended to be performed by a qualified and trained personnel to analyze the worksite and recommends the appropriate controls such as engineering controls, work practice controls, and administrative controls as primary means of reducing employee exposure. When there is a remaining hazards after applying the primary controls, Personal Protective Equipment (PPE) must be used.

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 Controls

Ensure adequate ventilation. Mechanical ventilation or local exhaust ventilation is required.

Personal protective equipment

Eye protection Hand protection

Tightly fitting safety goggles.

Repeated or prolonged contact Use protective gloves made of: Neoprene Nitrile Be aware

that liquid may penetrate the gloves. Frequent change is advisable.



Respiratory ProtectionAll respiratory protection equipment should be used within a comprehensive respiratory

protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne mist/aerosol of this product, use an organic vapor cartridge with a P-95 pre-filter attached. In work environments containing oil mist/aerosol, use an organic vapor cartridge with a P-95 pre-filter attached. If exposed to vapors from this product, use a NIOSH/MSHA-approved

10%

16 °C

respirator with an organic vapor cartridge.

Skin and body protectionWear 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 Clear

Odor Characteristic Odor threshold Not applicable

<u>Property</u> <u>Values</u> <u>Remarks</u>

Melting / freezing point No information available

Boiling point/rangeNo information available > 93 °C / > 200 °F

Flash point > 93 °C / > 200 °F PMCC

Evaporation rate (BuAc =1) No information available

Flammability (solid, gas) Not applicable

Flammability Limit in Air

Upper flammability limit
Lower flammability limit
Vapor pressure
Vapor density

No information available
No information available
No information available

Specific gravity 1.01

Bulk density No information available

Water solubility Dispersible

Solubility in other solvents
Autoignition temperature
Decomposition temperature
Kinematic viscosity
Dynamic viscosity
No information available

Explosive propertiesNot applicable **Oxidizing properties**None known.

9.2 Other information

Pour pointNo information availableMolecular weightNo information available

VOC content(%) None

Density No information available

Comments

The data listed above are typical physical and chemical properties and should not be construed as product specification.

10. Stability and Reactivity





No data available.

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

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Oxidizing agents. Reducing agents.

10.6 Hazardous decomposition products

See Section 5.2.

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 May cause slight irritation.

Skin contact Prolonged contact may cause redness and irritation.

Ingestion Ingestion may cause stomach discomfort.

Sensitization Not classified.

Mutagenic effectsThis product does not contain any known or suspected mutagens.

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

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

Developmental toxicityNot known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of exposure None known.

Routes of entry None known.

Specific target organ toxicity -

Single exposure

Specific target organ toxicity -

Repeated exposure

Not classified

Not classified.



Not classified.

Aspiration hazard

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.

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility

Dispersible in water.

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.

The product component(s) are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. Disposal Considerations

13.1 Waste treatment methods

Disposal MethodDisposal 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

14.1. UN number

UN No. (DOT)

UN No. (MT/ANTT)

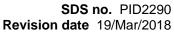
UN No. (TDG)

UN/ID No. (ADR/RID/ADN/ADG)

UN No. (IMDG/ANTAQ)

UN No. (ICAO/ANAC)

Not regulated
Not regulated
Not regulated
Not regulated
Not regulated





14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

14.3 Hazard class(es)

DOT Hazard class
ANTT Hazard class
TDG Hazard class
ADR/RID/ADN/ADG Hazard class
IMDG/ANTAQ Hazard class
ICAO/ANAC Hazard class/division
Not regulated
Not regulated
Not regulated
Not regulated
Not regulated

14.4 Packing group

DOT/ANTT Packing group
ANTT Packing group
Not regulated
TDG Packing group
ADR/RID/ADN/ADG Packing group
IMDG/ANTAQ Packing group
ICAO/ANAC Packing group
Not regulated
Not regulated
Not regulated

14.5 Environmental hazard

No

14.6 Special precautions

Not applicable

14.7 Transport in bulk according to Annex I/II of MARPOL 73/78 and the IBC Code

Please contact MISDS@slb.com for info regarding transport in Bulk.

15. Regulatory Information

International inventories

USA (TSCA) Complies Canada (DSL) Complies Complies Philippines (PICCS) Does not comply Japan (ENCS) China (IECSC) Complies Australia (AICS) Complies Korean (KECL) Complies Complies New Zealand (NZIoC)

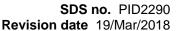
Europe - REACH

All products supplied from the European Economic Area (EEA) are compliant with the REACH Regulation EC 1907/2006. For products supplied from the EEA, Schlumberger and/or its suppliers have pre-registered and is registering all of the substances that it and/or its suppliers manufactures in or imports into the EEA that are subject to Title II of the REACH Regulation. All products supplied from outside the EEA are subject to REACH only if imported into the EEA. The importer of the products must comply with REACH for each imported substance. Contact REACH@slb.com for REACH information.

U.S. Federal and State Regulations

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.





California Proposition 65

This product does not contain chemical[s] which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

16. Other Information

Supersedes date 09/Feb/2017

Revision date 19/Mar/2018

Version 7

This SDS has been revised in the

following section(s)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE

COMPANY/UNDERTAKING 9. Physical and chemical properties 15. Regulatory

Information

HMIS classification

Health 0
Flammability 1
Physical hazard 0
PPE X

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