

Issue Date 14-May-2018

Revision Date 02-Oct-2019

Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name P 652/87

Other means of identification

Product code: 018115

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Lubricant.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address

Klüber Lubrication NA LP
32 Industrial Drive
Londonderry, NH 03053
Phone: (603) 647-4104
Fax: (603) 647-4106

Emergency telephone number

Emergency Telephone CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

2. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Oil

Physical state Liquid

Odor Mild

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

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

4. FIRST AID MEASURES

First aid measures

| | |
|----------------------|---|
| Eye contact: | Flush eye with water for 15 minutes. If symptoms persist, call a physician. |
| Skin contact: | Rinse with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required. |
| Inhalation: | Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician. |
| Ingestion: | Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary. |

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Dry chemical. Dry sand. Water spray mist or foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

In the event of fire, cool tanks with water spray.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for firefighters:

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Contaminated surfaces will be extremely slippery. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Use personal protective equipment.

Environmental precautions

Environmental precautions: Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with oil absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Spilling onto the container's outside will make container slippery. Avoid formation of respirable particles.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³, ACGIH STEL of 10 mg/m³.

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection: Breathing apparatus needed only when aerosol or mist is formed.

Hand protection: Impervious gloves

Eye protection: Safety glasses with side-shields

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect

General Hygiene Considerations Wash off with soap and water When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|------------------------------|------------------|--------------------------|--|
| Physical state Liquid | | | |
| Appearance Oil | Odor Mild | Color Light brown | Odor threshold No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | | |
|-------------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------------|
| Melting point/freezing point | No information available | | pH | Not classified |
| Flash point | 250 °C / 482 °F | Cleveland Open Cup | Boiling point / boiling range | No information available |
| Flammability (solid, gas) | No information available | | Evaporation rate | No information available |
| Upper flammability limit: | No information available | | Flammability Limit in Air | |
| Vapor pressure | No information available | | Lower flammability limit: | No information available |
| Specific Gravity | 0.9 | | Vapor density | No information available |
| Solubility in | No information | | Water solubility | Insoluble in water |

| | | | |
|---------------------------------|--------------------------|----------------------------------|--------------------------|
| other solvents | available | Partition coefficient | No information available |
| Autoignition temperature | No information available | Decomposition temperature | No information available |
| Kinematic viscosity | 60 cSt @ 40 °C | Dynamic viscosity | No information available |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |

Other information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | No information available |
| Liquid Density | No information available |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY

Reactivity
Not classified

Chemical stability

Stability Stable under recommended storage conditions
Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal use conditions.
Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid No special storage conditions required
Hazardous Decomposition Products

Hazardous Decomposition Products None reasonably foreseeable

Incompatible materials

Incompatible materials Oxidising agents

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information |
| Eye contact | May cause slight irritation. |
| Skin contact | Prolonged contact may cause redness and irritation. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

Information on toxicological effects**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

| | |
|---------------------------------|--|
| Sensitization | No sensitization responses were observed. |
| Mutagenic effects: | Did not show mutagenic or teratogenic effects in animal experiments. |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity | This product does not contain any known or suspected reproductive hazards. |
| STOT - single exposure | None under normal use conditions. |
| STOT - repeated exposure | None under normal use conditions. |
| Aspiration hazard | Not classified. |

Numerical measures of toxicity - Product Information

| | |
|---|--|
| Unknown acute toxicity | 3.7 % of the mixture consists of ingredient(s) of unknown toxicity |
| The following values are calculated based on chapter 3.1 of the GHS document . | |
| ATEmix (oral) | 5214 mg/kg |
| ATEmix (dermal) | 20263 mg/kg |
| ATEmix (inhalation-dust/mist) | 21.5 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

No known hazards to the aquatic environment.

3.85 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Empty containers should be taken for local recycling, recovery or waste disposal. |

14. TRANSPORT INFORMATION

DOT

Not Regulated by any means of transportation

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|--|
| TSCA: | Listed in TSCA |
| DSL: | Not listed in DSL |
| EINECS/ELINCS | This product does not comply with EINECS/ELINCS |
| CHINA: | This product complies with China IECSC. |
| KECL: | This product does not comply with Korea KECL. |
| PICCS: | This product does not comply with Philippines PICCS. |
| AICS: | This product does not comply with Australia AICS |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK)

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not classified

16. OTHER INFORMATION

NFPA:

Health: 1

Flammability: 1

Instability 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating:

Health: 1

Flammability: 1

Physical hazards 0

Personal protection B

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Revision Note

Reason for revision: None

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.

End of Safety Data Sheet