



SAFETY DATA SHEET

Issue Date 11-Jan-2017

Revision Date 11-Jan-2017

Version 2

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

Product identifier

Product Name SumTech FMG-1

Other means of identification

Product code: 320443

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Lubricant.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Klüber Lubrication NA LP
9010 County Road 2120
Tyler, Texas 75707
Phone: (903) 534-8021
Fax: (903) 581-4376

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

Signal word

Not Classified

Hazard statements

None

| | | |
|---|-----------------------------|------------------|
| The product contains no substances which at their given concentration, are considered to be hazardous to health | | |
| Appearance Paste | Physical state Solid | Odor Mild |
| Eyes None | | |

Skin None
Inhalation None
Ingestion None

Hazards not otherwise classified (HNOC)

Other information

- Causes mild skin irritation
- Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity

10.57% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

| Components | CAS-No | Weight % | Trade Secret |
|-------------|-------------|----------|--------------|
| Mineral oil | Proprietary | 80 - 90% | * |

4. FIRST AID MEASURES

First aid measures

Eye contact: Flush eye with water for 15 minutes. If symptoms persist, call a physician.

Skin contact: Wash off immediately with soap and plenty of water.

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

Ingestion: Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Foam. Water spray. 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

Water may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for firefighters:

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. Wear personal protective equipment.

Environmental precautions

Environmental precautions: Should not be released into the environment.

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: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Spilling onto the container's outside will make container slippery. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep cool. Keep away from heat and sources of ignition. Keep in properly labelled containers. Keep out of the reach of children

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

| Components | ACGIH TLV | OSHA (TWA mg/m ³): | IDLH: |
|---------------|--------------------------------|--------------------------------|-------|
| Mineral oil - | 5 mg/m ³ (oil mist) | 5 mg/m ³ (oil mist) | |

Appropriate engineering controls

Engineering measures to reduce exposure: Not applicable.

Individual protection measures, such as personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Impervious gloves

Eye protection: Safety glasses

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

General Hygiene Considerations Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid

Appearance Paste

Odor Mild

Color Beige

Odor threshold No information available

Property

Values

Remarks • Method

pH

Not applicable

| | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------------------|--------------------------|
| Melting point/freezing point | No information available | | Boiling point / boiling range | No information available |
| Flash point | No information available | Cleveland Open Cup | Evaporation rate | No information available |
| Flammability (solid, gas) | No information available | | Flammability Limit 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 | 0.9 | | Water solubility | Insoluble in water |
| Solubility in other solvents | No information available | | Partition coefficient | No information available |
| Autoignition temperature | No information available | | Decomposition temperature | No information available |
| Kinematic viscosity | No information available | | 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 |
| Density | No information available |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY**Reactivity**

Not applicable

Chemical stability

| | |
|--|--|
| Stability | Stable under normal conditions |
| <u>Possibility of Hazardous Reactions</u> | |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous polymerization | Hazardous polymerization does not occur. |

Conditions to avoid

| | |
|----------------------------|-------------------------|
| Conditions to avoid | Heat, flames and sparks |
|----------------------------|-------------------------|

Hazardous Decomposition Products

| | |
|---|-----------------------------|
| Hazardous Decomposition Products | None reasonably foreseeable |
|---|-----------------------------|

Incompatible materials

| | |
|-------------------------------|-------------------------|
| Incompatible materials | Strong 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 | Contact with eyes may cause irritation. |
| Skin contact | Prolonged contact may cause redness and irritation. |
| Inhalation | Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

| Components | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|----------------------|-------------|------------------------|
| Mineral oil - | > 5000 mg/kg (Rat) | - | = 2062 ppm (Rat) 4 h |

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 applicable. |

Numerical measures of toxicity - Product Information

| | |
|---|---|
| Unknown Acute Toxicity | 10.57% 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) | 5242 mg/kg |
| ATEmix (dermal) | 5242 mg/kg |
| ATEmix (inhalation-dust/mist) | 131 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects

10.5% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Mineral oil - | |
|-----------------------------|---|
| Algae/aquatic plants | - |
| Fish | 10000: 96 h Lepomis macrochirus mg/L LC50 |
| Crustacea | - |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

The product is insoluble and floats on water.

| Components | Partition coefficient |
|---------------|-----------------------|
| Mineral oil - | >6 |

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

| | |
|-------------------|--|
| <u>DOT</u> | Not Regulated by any means of transportation |
|-------------------|--|

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|---|
| TSCA: | Not Listed in TSCA |
| DSL: | All of the components in this product are 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/NDL - 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

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

| Components | NJRTK: | MARTK: | PARTK: |
|---------------|--|--------|--------|
| Mineral oil - | Substance no. 1437 Listed. Substance no. 4004 Listed. | Listed | Listed |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

Not applicable

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