

MATERIAL SAFETY DATA SHEET

Print date: 23-Jan-2013

Revision Number: 4

Revision date: 23-Jan-2013

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

Product Name: Klüberplex BEM 34-132
Article Code: 017141
Synonyms: No information available
Chemical characterisation: Not applicable..

Supplier:
Klüber Lubrication North America L.P.
32 Industrial Drive
Londonderry, NH 03053
(603) 647-4104
Fax (603) 647-4106

Emergency telephone number CHEMTREC: 1-800-424-9300 International: (703) 527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m ³):	OSHA (TWA mg/m ³):
Synthetic hydrocarbon oil		None	None
Distillates (petroleum), hydrotreated heavy paraffinic		None	None
Special calcium soap		None	None
Polyurea thickener		None	None

3. HAZARDS IDENTIFICATION

Properties affecting health: Harmful if swallowed

Principle routes of exposure: Skin.

Skin contact: Prolonged skin contact may cause skin irritation and/or dermatitis..

Eye contact: Contact with eyes may cause irritation.

Inhalation: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion: Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

4. FIRST AID MEASURES

General advice: If symptoms persist, call a physician.

Skin contact: Rinse with plenty of water. If skin irritation persists, call a physician.

Eye contact:	Flush eye with water for 15 minutes. If symptoms persist, call a physician.
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. Consult a physician.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

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.

Specific hazards:	Burning produces irritant fumes In the event of fire and/or explosion do not breathe fumes
Unusual hazards:	No hazards resulting from the material as supplied
Specific methods:	Water mist may be used to cool closed containers. Standard procedure for chemical fires.

Flash point:	Not applicable.
Autoignition temperature:	Not determined..

Flammability Limits in Air:

Lower	No information available
Upper	No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Contaminated surfaces will be extremely slippery. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.
Methods for cleaning up:	Scrape-up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions:	No special technical protective measures required.
Safe handling advice:	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.

Storage

Technical measures/storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labelled containers. Keep out of reach of children.
Incompatible products:	No materials to be specially mentioned.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas..

Personal Protective Equipment

Respiratory protection:	No personal respiratory protective equipment normally required.
Hand protection:	Impervious gloves.
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect..
Eye protection:	Safety glasses with side-shields.
Hygiene measures:	Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Grease	Appearance:	Paste
Color:	Beige	Odor:	Not significant
Specific gravity:	~ 0.90	Boiling point/range	No information available
Evaporation rate:	Not determined	Vapor density:	Not determined
Vapor pressure:	Not determined	Solubility:	Insoluble.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	None under normal use
Materials to avoid:	Strong oxidising agents.
Conditions to avoid:	Heat, flames and sparks..

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Distillates (petroleum), hydrotreated heavy paraffinic: LD50 > 5,000 mg/kg (oral, rat), LD50 > 2,000 mg/kg (dermal, rabbit). Polyurea thickener: LD50 > 2,000 mg/kg (oral, rat), LD50 > 2,000 mg/kg (dermal, rat).
------------------------	--

12. ECOLOGICAL INFORMATION

Mobility:	No information available.
Bioaccumulative potential:	No information available.
Ecotoxicity effects:	No data available.
Aquatic toxicity:	No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	In accordance with local and national regulations.
Contaminated packaging:	Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT

Proper shipping name: Not regulated

TDG (Canada)

IMO / IMDG

Proper shipping name: Not regulated

ICAO

IATA

Proper shipping name: Not regulated

15. REGULATORY INFORMATION

TSCA

TSCA: Listed in TSCA

U.S. Regulations:

Sara (311, 312) hazard class:

Canada

WHMIS hazard class:
Not determined

16. OTHER INFORMATION

NFPA Health: 1 Flammability: 1 Instability: 0

HMIG Health: 1 Flammability: 1 Reactivity: 0

Reason for revision: Not applicable
Prepared by: Health & Safety

The information and recommendations contained herein are based upon tests believed to be reliable. However, Klüber does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. Klüber assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.