

MATERIAL SAFETY DATA SHEET

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

Product Name: CENTOPLEX H0
Article Code: 020011
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):
Mineral oil		5 (oil mist)	5 (oil mist)
Lithium soap		None	None
Zinc compound		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:

Safe handling advice:

No special technical protective measures required. 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:

Oxidising and spontaneously flammable products.

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:	Preventive skin protection
Skin and body protection:	Usual safety precautions while handling the product will provide adequate protection against this potential effect..
Eye protection:	Avoid contact with eyes..
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:	~ 0.88	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:	Mineral oil: LD50 > 5,000 mg/kg (oral, rat), > 2,000 mg/kg (dermal, rabbit). Zinc compound: LD50 > 3,100 mg/kg (oral, rat), > 5,000 mg/kg (dermal, rabbit).
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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

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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:

Mineral oil

NJRTK: Substance no. 1437 Listed.
Substance no. 4004 Listed.

PARTK: Listed.

ILRTK: Listed.

Zinc compound

SARA 313 Threshold: Zinc compound (1 - 2.5%)

NJRTK: Substance no. 3012 Listed.

ILRTK: Listed.

CTRTK: Listed.

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

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