MATERIAL SAFETY DATA SHEET
1370
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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NUMBER HMIS CODES
Health 2
1370 Flammability 4
Reactivity 0

PRODUCT NAME
Mac’s Chain & Cable Lube
MANUFACTURER’S NAME EMERGENCY TELEPHONE NO.
Mfg. for BALKAMP INC. (216) 566-2917
Corporate Office
Indianapolis, IN 46241

DATE OF PREPARATION INFORMATION TELEPHONE NO.
03-NOV-05 (216) 566-2902

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS
% by WT CAS No. INGREDIENT UNITS VAPOR PRESSURE
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14 74-98-6 Propane
ACGIH TLV 2500 ppm 760 mm
OSHA PEL 1000 ppm
6 106-97-8 Butane
ACGIH TLV 800 ppm 760 mm
OSHA PEL 800 ppm
43 64742-52-5 Heavy Naphthenic Petroleum Oil
ACGIH TLV 5 mg/m3 as Mist
OSHA PEL 5 mg/m3 as Mist
36 64742-62-7 Paraffin Oil
ACGIH TLV 5 mg/m3 as Mist
OSHA PEL 5 mg/m3 as Mist

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Section 3 -- HAZARDS IDENTIFICATION
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ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES
EYES: Flush eyes with large amounts of water for 15 minutes.
Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.
Keep warm and quiet.
INGESTION: Do not induce vomiting.
Get medical attention immediately.

Section 5 -- FIRE FIGHTING MEASURES
FLASH POINT LEL UEL
Propellant < 0 F 1.9 9.5
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Containers may explode when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY
Not Available
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.
Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.
Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
PROTECTIVE GLOVES
None required for normal application of aerosol products where minimal skin contact is expected. For
long or repeated contact, wear chemical resistant gloves.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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### Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

- **PRODUCT WEIGHT**: 6.63 lb/gal 794 g/l
- **SPECIFIC GRAVITY**: 0.80
- **BOILING POINT**: <0 – 34 F <-18 – 1 C
- **MELTING POINT**: Not Available
- **VOLATILE VOLUME**: 30 %
- **EVAPORATION RATE**: Faster than ether
- **VAPOR DENSITY**: Heavier than air
- **SOLUBILITY IN WATER**: N.A.

**VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)**

Volatile Weight 20.00 % Less Water and Federally Exempt Solvents

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### Section 10 -- STABILITY AND REACTIVITY

**STABILITY** -- Stable

**CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

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### Section 11 -- TOXICOLOGICAL INFORMATION

**CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**TOXICOLOGY DATA**

- **CAS No. Ingredient Name**
  - 74-98-6 Propane
  - LC50 RAT 4HR Not Available
  - LD50 RAT Not Available
  - 106-97-8 Butane
LC50 RAT 4HR Not Available
LD50 RAT Not Available
64742-52-5 Heavy Naphthenic Petroleum Oil
LC50 RAT 4HR Not Available
LD50 RAT Not Available
64742-62-7 Paraffin Oil
LC50 RAT 4HR Not Available
LD50 RAT Not Available

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.
Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION
CAS No. CHEMICAL/COMPOUND % by WT % Element

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C)
Supplier Notification.

CALIFORNIA PROPOSITION 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER INFORMATION
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.