

MATERIAL SAFETY DATA SHEET

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

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

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

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.

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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.

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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.

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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.

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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.

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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

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Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

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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.

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Section 14 -- TRANSPORT INFORMATION

No data available.

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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.

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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.

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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.