

US Material Safety Data Sheet Chainlube 622 Strong

Date of issue / Reference 02/10/2009 uh
Replaces version of 11/04/2008 uh
Date of printing 07/24/2009 Sheet No. 79 Version 2 Page 1 of 5

Company BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Switzerland

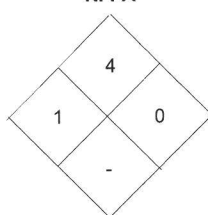
1 Commercial product name and supplier

1.1 Commercial product name / Designation

Chainlube 622 Strong

36050024 - 56 ml
36050023 - 500 ml

NFPA



HMIS

H	1
F	4
R	0
C	-

1.2 Application / Use

Lubrication, anticorrosive

1.3 Producer

BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz, T. +41 (0)62 919 7575

1.4 Supplier

MOTOREX USA, 900 Mendelssohn Ave. N, Golden Valley, MN 55427, USA, +1 763-417-1377

1.5 24 Hour Emergency Assistance

USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

General MSDS Assistance

1.6 Product No.

2 Composition

2.1 Chemical characterization

White spirit (aromatics <25%)
Corrosion inhibitors
Propane/butane (propellant)
Synthetic polymers

2.2 Hazardous components

Components contributing to hazard:

CAS No. 64742-47-8

10-25 % Distillates (petroleum), hydrotreated light

Xn: Harmful. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.

MAK values : 1200 mg/m3

CAS No. 64742-49-0

5-15 % Naphtha, hydrogenated, light: benzene < 0.1%

Xn: Harmful. F: Highly flammable. N: Dangerous for the environment. R11: Highly flammable. R38: Irritating to skin. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

MAK values : 1440 mg/m3

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CAS No. 64742-49-0 5-15 % Naphtha (petroleum), hydrotreated light [contains less than 0,1 % w/w benzene]

Xn: Harmful. F: Highly flammable. N: Dangerous for the environment. R11: Highly flammable. R38: Irritating to skin. R65: Harmful: may cause lung damage if swallowed. R67: Vapours may cause drowsiness and dizziness. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
MAK values : 1400 mg/m3

CAS No. 74-98-6 5-10 % Propane

F+: Extremely flammable. R12: Extremely flammable.
MAK values : 1800 mg/m3

CAS No. 106-97-8 10-30 % Butane

F+: Extremely flammable. R12: Extremely flammable.
MAK values : 1900 mg/m3

2.3 Further information

All ingredients of the product are listed on the TSCA Chemical Substances Inventory and the Canadian Domestic Substances List.

3 Hazards identification

Extremely flammable. Harmful: may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Can is under pressure. Protect from direct sunlight and temperatures above 50°C (122°F). Do not pierce or burn can after use. Do not spray towards flame or incandescent object.
Keep away from sources of ignition - No smoking. Keep out of the reach of children.

4 First aid measures

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1 Eye contact

Flush eyes with plenty of water.

4.2 Skin contact

Remove residues with soap and water.

4.3 Ingestion

4.4 Inhalation

Take into fresh air.

4.5 Further information

5 Fire-fighting measures

5.1 Suitable extinguishing media

Carbon dioxide, dry chemical and protein based foam.

5.2 Extinguishing media to avoid

Water spray.

Test method:

5.3 Flash point

Pressurized gas

5.4 Ignition temperature

5.5 Explosion limits

Lower: 2.1 Vol%
Upper: 9.5 Vol%
((1013 mbar))

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5.6 Further information None.

6 Accidental release measures Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

7.1 Handling	Do not spray towards flame or incandescent object. Keep away from sources of ignition - No smoking.
7.2 Industrial hygiene	Avoid breathing mists.
7.3 Storage	Protect from direct sunlight and temperatures above 50°C (122°F). Keep out of the reach of children.
7.4 Place of storage	Store containers closed and protect against rain, dust, heat and other atmospheric influences.
7.5 Fire- and explosion-protection	Use only if ventilation is good.

8 Exposure controls / Personal protection

8.1 Exposure controls	Good general ventilation should be sufficient for most processing operations.
8.2 Exposure limit values	None established for the mixture.
8.3 Occupational exposure controls	
8.3.1 Respiratory protection	None required.
8.3.2 Hand protection	None required.
8.3.3 Eye protection	None required.
8.3.4 Other	
8.4 Environmental exposure controls	

9 Physical and chemical properties

9.1 Appearance	liquified gas	
9.2 Colour	beige	
9.3 Odour	solvent	
9.4 Change of physical state		Test method:
9.5 Density	0.734 g/cm ³ (20°C)	ASTM D 4052

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9.6 Vapour pressure

3200 mbar (20°C)

9.7 Viscosity

<50 mm²/s (40°C)

DIN 51562-1

9.8 Solubility

in water

insoluble

9.9 pH

not applicable

9.10 Further information

Part. coeff. n-octanol/water

Evaporat. rate

10 Stability and reactivity

10.1 Thermal decomposition

Stable under recommended storage conditions.

10.2 Hazardous decomposition products

None under normal conditions of storage and use.

10.3 Conditions / materials to avoid

No hazards known.

10.4 Further information

11 Toxicological information

11.1 Acute toxicity

No relevant information found.

11.2 Subacute / Chronic toxicity

11.3 Further information

12 Ecological information

12.1 Ecotoxicity

Water Hazard Class (Germany): Class 2 (self assessment):
hazardous for water.

12.2 Mobility

12.3 Persistence and degradability

12.4 Bioaccumulative potential

12.5 Further information

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13 Disposal considerations Comply with local and national regulations.

14 Transport information

14.1 Transport at land ADR 2 RID 2

UN Number 1950 Kemler Number
Packing Group
Proper shipping name AEROSOLS

14.2 Transport at sea ADNR IMDG 2

UN Number 1950
EMS F-D, S-U MFAG
Packing Group
Proper shipping name Aerosols, flammable
Marine pollutant

14.3 Air transport ICAO / IATA-DGR 2.1
UN Number 1950
Proper shipping name Aerosols, flammable
Subsidiary Risk
Labels Flammable gas
Packing Group
Passenger airplane Packing Instructions Y203
max. 30 kg G
Cargo Airplane Packing Instructions 203
max. 75 kg

14.4 Further information
The product is classified for transportation.
U.S. DOT hazard classification: ORM-D. Carton must bear ORM-D marking and orientation arrows.

15 Regulatory information This product requires classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

16 Other information No other information.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

