

US Material Safety Data Sheet

Helmet Care

Date of issue / Reference 01/20/2009 uh
Replaces version of 11/10/2008 uh
Date of printing 07/24/2009 Sheet No. 703 Version 2 Page 1 of 5

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

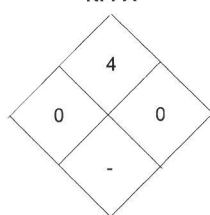
1 Commercial product name and supplier

1.1 Commercial product name / Designation

Helmet Care

37040029

NFPA



HMIS

H	0
F	4
R	0
C	-

1.2 Application / Use

Helmet and visor cleaning

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

Anionic-active and non-ionic tensides
Propane/butane (propellant)

2.2 Hazardous components

Components contributing to hazard:

CAS No. 74-98-6

1-3 % Propane

F+: Extremely flammable. R12: Extremely flammable.

MAK values : 1800 mg/m3

CAS No. 106-97-8

8-12 % Butane

F+: Extremely flammable. R12: Extremely flammable.

MAK values : 1900 mg/m3

2.3 Further information

3 Hazards identification

Extremely flammable.

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.

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- | | | |
|----------|---------------------------|--|
| 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 | No adverse effects anticipated by this route of exposure. |
| 4.3 | Ingestion | |
| 4.4 | Inhalation | No adverse effects anticipated by this route of exposure. |
| 4.5 | Further information | |

5 Fire-fighting measures

- | | | |
|-----|------------------------------|--|
| 5.1 | Suitable extinguishing media | Water fog, carbon dioxide, dry chemical, foam, alcohol resistant foam. |
| 5.2 | Extinguishing media to avoid | None under normal conditions. |
| 5.3 | Flash point | Test method:
Pressurized gas |
| 5.4 | Ignition temperature | |
| 5.5 | Explosion limits | Lower: 2.1 Vol%
Upper: 9.5 Vol% ((1013 mbar)) |
| 5.6 | Further information | None. |

6 Accidental release measures

Remove all sources of ignition.
Clean area with water.
Contain run-off to prevent entry into water or drainage systems.

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 | |
| 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. |
|-----|-------------------|---|

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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 yellow

9.3 Odour characteristic

9.4 Change of physical state Test method:

9.5 Density 0.914 g/cm³ (20°C) ASTM D 4052

9.6 Vapour pressure 3200 mbar (20°C)

9.7 Viscosity <1 mm²/s (40°C) DIN 51562-1

9.8 Solubility
in water partially miscible

9.9 pH 6.3

9.10 Further information

Part. coeff. n-octanol/water

Evaporat. rate

None.

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.

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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 Biodegradability (OECD 302 B): >75%
Water Hazard Class (Germany): Class 1 (self assessment): slightly hazardous for water.

12.2 Mobility

12.3 Persistence and degradability

12.4 Bioaccumulative potential

12.5 Further information

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

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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

None.

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.

