

Weicon GmbH

Revision date: 04.02.2010

Revision no.:

1,00

Top-Lub, Spray

7619-0147

1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

Top-Lub, Spray

Further trade names

11510

Use of the substance/preparation

Technical aerosol.

Lubricant

Company/undertaking identification**Manufacturer**

Weicon GmbH

Königsberger Straße 255

D-48157 Münster

Telephone: +49 (0) 251 9322 - 0

Telefax: +49 (0) 251 9322 - 244

e-mail: info@weicon.de

Internet: www.weicon.de

Responsible for the safety data sheet: sds@gbk-ingelheim.de

Supplier

WEICON Inc.

20 Steckle Place, Unit 20

Kitchener, Ontario N2E 2C3

Telephone: 519 896 5252

Telefax: 519 896 5254

e-mail: info@weicon.ca

Emergency telephone number: 0 11 49 178 433 74 34 (CONSULTANK Lutz Harder GmbH)

2. Hazards identification**Classification**

Indications of danger : Extremely flammable, Irritant, Dangerous for the environment

R-phrases:

Heating may cause an explosion.

Extremely flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients**Chemical characterization (Mixture)**

Mixtures of hydrocarbons with propellant propane/butane

Hazardous components

CAS-No.	Chemical name	Quantity
106-97-8	butane	30 - 50 %
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	10 - 20 %
74-98-6	propane	10 - 20 %
85535-85-9	alkanes, C14-17, chloro; chlorinated paraffins, C14-17	10 - 20 %
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	1 - 10 %
75-28-5	isobutane	1 - 10 %

4. First aid measures

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General information

Remove contaminated soaked clothing immediately.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

After contact with skin

In case of contact with skin wash off with water.

Consult a doctor if skin irritation persists.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

Summon a doctor immediately.

Attention. Beware, danger of aspiration.

Advice to doctor

The following symptoms may occur:

Unconsciousness

Anaesthetic state

Headache

Confusion

5. Fire-fighting measures

Suitable extinguishing media

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide and carbon dioxide.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Heating will cause pressure rise with risk of bursting.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

Keep away sources of ignition.

In case of vapour formation use respirator.

Use only explosion-proof equipment.

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material.

Shovel into suitable container for disposal.

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7. Handling and storage

Handling

Advice on safe handling

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

The product is combustible.

Do not spray on a naked flame or any other incandescent material.

Heating will cause pressure rise with risk of bursting.

Further information on handling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Storage

Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Recommended storage temperature: room temperature.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 2 B

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (ACGIH)

CAS No.	Substance	ppm	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	1000			TWA (8 h)	TLV
		-	-	-	STEL (15 min)	TLV
		-	-	-	Peak	TLV
75-28-5	Isobutane	1000			TWA (8 h)	TLV
		-	-	-	STEL (15 min)	TLV
		-	-	-	Peak	TLV
74-98-6	Propane	1000			TWA (8 h)	TLV
		-	-	-	STEL (15 min)	TLV
		-	-	-	Peak	TLV

Additional advice on limit values

Aliphatic hydrocarbon gases (propane/butane/Alkane C1-C4) have workplace limits of 1000 ppm (TWA-ACGIH).

Protective and hygiene measures

Ensure adequate ventilation, especially in confined areas.

Do not inhale gases/vapours/aerosols.

Wash hands before breaks and immediately after handling the product.

At work do not eat, drink, smoke or take drugs.

Take off immediately all contaminated clothing.

Avoid contact with eyes, skin or mucous membrane.

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Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type AX).

Hand protection

Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril 735> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Safety goggles with side protection

Skin protection

Protective clothing

9. Physical and chemical properties**General information**

Physical state:	Aerosol
Colour:	Yellow, clear
Odour:	Like mineral oil

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point:	-60 °C
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Explosive properties

"The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated."

Lower explosion limits:	1,4 vol. %
Upper explosion limits:	32 vol. %
Vapour pressure: (at 20 °C)	3500 hPa
Density (at 20 °C):	0,69 g/cm ³
Water solubility: (at 20 °C)	Insoluble

Solvent content

20%

Other information

Ignition temperature:	510 °C
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10. Stability and reactivity**Conditions to avoid**

Fire or intense heat may cause violent rupture of packages.
Keep away from heat and sources of ignition.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

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Acute toxicity

Harmful by inhalation.

Risk of serious health injuries in case of long-term exposure.

Empirical data on effects on humans

Harmful by inhalation.

Inhalation of vapours in high concentration can cause narcotic effects.

Inhalation of high vapour concentration may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

12. Ecological information**Further information**

Do not discharge product unmonitored into the environment.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations**Advice on disposal**

Remove in accordance with local official regulations.

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Offer empty spray cans to an established disposal company.

14. Transport information**Canadian TDG****Proper shipping name**

AEROSOLS

UN/ID number: 1950

Hazard classes: 2.1

Packing group: -

Hazard label: 2.1

Land transport (ADR/RID)

UN number: 1950

ADR/RID class: 2

Warning plate

Hazard-no.: -

Hazard label: 2.1



ADR/RID packing group: -

Description of the goods

AEROSOLS

Other applicable information (land transport)

LQ 2: combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with > 5 kg or 5 L, transition period ends 31.12.2010.

Marine transport

UN number: 1950

IMDG code: 2

Marine pollutant: No

Hazard label: 2.1

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IMDG packing group:

-

EmS:

F-D; S-U

Description of the goods

AEROSOLS

Other applicable information (marine transport)

Limited quantities (chapter 3.4): combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass)

Air transport

UN/ID number:

1950

ICAO/IATA-DGR:

2.1

Hazard label:

2.1



ICAO packing group:

-

IATA-packing instructions - Passenger:

203

IATA-max. quantity - Passenger:

75 kg

IATA-packing instructions - Cargo:

203

IATA-max. quantity - Cargo:

150 kg

Description of the goods

AEROSOLS FLAMMABLE

15. Regulatory information**Canadian regulations****DSL/NDSL inventory status**

All of the components are listed on the DSL Inventory.

WHMIS classification

WHMIS: A, B5, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

16. Other information**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)