

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : LUBEnSPEED 250 ml
Revision : 23.10.2008 Version : 1.0.0
Print date : 06.05.2009

01. Identification of the substance/preparation and of the company/undertaking

Product name : LUBEnSPEED 250 ml (22411)
Use of the substance / preparation : Coating
Manufacturer/Supplier : HOLMENKOL AG
Street/P.O.Box : Wernher-von-Braun-Str. 3
Country code/Postal code/Town/City : D-71254 Ditzingen-Heimerdingen
Telephone : +49 (0)7152 6101-0
Telefax : +49 (0)7152 6101-119
Emergency information : +49 (0)30-19240, Internat. INFOTRAC +1 3523233500
Contact : sdb@holmenkol.com

02. Hazards identification

Hazard designation
Extremely flammable.
Classification : F+ ; R 12

03. Composition/information on ingredients

Hazardous components

BUTANE ; EC-No. : 203-448-7; CAS-No. : 106-97-8

Percentage : 30 - 50 %

Classification : F+ ; R 12

PROPANE ; EC-No. : 200-827-9; CAS-No. : 74-98-6

Percentage : 10 - 20 %

Classification : F+ ; R 12

ISOBUTANE ; EC-No. : 200-857-2; CAS-No. : 75-28-5

Percentage : 10 - 20 %

Classification : F+ ; R 12

For the wording of the listed risk phrases refer to section 16.

04. First-aid measures

General

Please note safety instructions and directions for use on the drum. In all cases of doubt, or when symptoms persist, seek medical attention.

After inhalation

Take the casualty into the fresh air and keep warm. Call a doctor, should the air passages be affected.

After skin contact

Wash away with soap and water and rinse.

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Do not induce vomiting - call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Adapt extinguishing measures to suit the environment. Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

In flames as well as on hot surfaces toxic and decomposition products with penetrating smell may be formed.

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Special protective equipment

In case of fire do not breathe fumes Appropriate breathing apparatus may be required.

06. Accidental release measures

Personal precautions

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8. Take the precautions customary when handling chemicals.

Environmental precautions

Do not empty into drains.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

07. Handling and storage

Information for safe handling

Normal precautions taken when handling chemicals should be observed. Keep away from food, drink and animal feeding stuffs.

Information about protection against explosions and fires

Keep away from ignition sources - No smoking. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Requirements to be met by storerooms and containers

Make sure that ventilation is adequate.

Further information about storage conditions

Store containers tightly closed in a cool well ventilated place. Avoid heating over 50°C.

08. Exposure controls/personal protection

Personal protective equipment

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed. Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

None, but avoid breathing vapours if possible.

Hand protection

Avoid contact with the skin and mouth. Solvent-resistant protective gloves must be worn.

Eye protection

Use safety glasses.

Body protection

Light protective clothing.

09. Physical and chemical properties

Image

Form : Aerosol
Colour : Colourless.
Odour : Characteristic.

Relevant safety data

Flash point :	-60 °C
Ignition temperature :	510 °C
Lower explosion limit :	1,4 % b.v.
Upper explosion limit :	32 % b.v.
Vapour pressure :	(50 °C) 3900 hPa
Density :	(20 °C) 0,69 g/cm ³

10. Stability and reactivity

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Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Experience on practice

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Details on elimination (persistence / degradability)

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

Ecotoxicological effects

Other information

Contains water polluting substances/water polluting classification:I/II.

Additional ecological information

General ecological information

Do not empty into waters or drains.

13. Disposal considerations

Product

Recommendation

Can be taken to a suitable incineration centre in observance of local regulations.

14. Transport information

Land transport ADR/RID

Classification

Class : 2 Kemlercode : 23

UN number : 1950 Classification-Code : 5F

LQ 2 · E 0 · Tunnel restriction code : D

Proper shipping name

AEROSOLS

Packaging

Label : 2.1

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : 2.1 EmS number : F-D / S-U

UN number : 1950 Marine Poll. : -

LQ 1 I · E 0

Proper shipping name

AEROSOLS

Packaging

Label : 2.1

Air transport ICAO-TI and IATA-DGR

Classification

Class : 2.1

UN number : 1950

E 0

Proper shipping name

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AEROSOLS, FLAMMABLE

Packaging
Label : 2.1

15. Regulatory information

Classification according to EC directives

Danger symbol and danger designation



F+ ; Extremely flammable

R-phrases

12 Extremely flammable.

S-phrases

2 Keep out of the reach of children.
51 Use only in well-ventilated areas.
46 If swallowed, seek medical advice immediately and show this container or label.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
9 Keep container in a well-ventilated place.

Special designation for certain preparations

56 Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50 °C.
57 Do not pierce or burn, even after use.
58 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Additional information

For intended use only!

16. Other information

Further information

Relevant changes

03. Hazardous components · 14. Land transport ADR/RID and GGVS/GGVE · 14. Classification (ADR) · 14. Classification (IMDG) · 14. Air transport ICAO-TI and IATA-DGR · 14. Classification (ICAO) · 15. S-phrases · 15. Special designation for certain preparations

R-Phrases of components

12 Extremely flammable.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.