

Safety Data Sheet

according to 2001/58/EEC

Synthetic internal bearing lubricant 105 - Aerosol

Printing date: 15.11.2006

Revision: 22.06.2006

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

1.1 Trade-name

Synthetic internal bearing 105 (SIS 105)

Use of the substance/preparation

Refer to the description of material or preparation.

1.2 Company/undertaking identification

Innotech Vertriebs GmbH

Junkersstraße 16

D-93055 Regensburg

Phone : 0049-(0)941-700878

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Emergency Call : 0049-(0)941 700878

2. Composition/information on ingredients

ELINCS	CAS-No.	chemical name	content	symbol	R-phrases
200-827-9	74-98-6	propane	1 - <15 %	F+	R12
203-448-7	106-97-8	butane	15 - <25 %	F+	R12
265-184-9	64742-47-8	Distillates (petroleum), hydrotreated light	35 - <45 %	Xn	R 65-66
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light	1 - <10%	F, Xn, Xi, N	R 11-38-65 67-51/53

3. Hazards identification

Classification:

Symbol : Extremely flammable

R-phrases :

Extremely flammable

Repeated exposure may cause skin dryness or cracking. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Pressurized container. Danger of bursting (explosion) when heating.

4. First aid measures

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wash thoroughly with soap and copious water-remove contaminated clothing immediately. If skin irritation occurs consult doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Do not induce vomiting. Call doctor immediately- have Data Sheet available.

Special resources necessary for first aid

Not checked

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5. Fire-fighting measures

Suitable extinguishing media

CO₂, alcohol resistant foam, Extinction powder

Extinguishing media which must not be used for safety reasons

High volume water jet

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

In the case of fire following can develop: Oxides of carbon. Danger of explosion by prolonged heating.

Special protective equipment for fire-fighters

Protective respirator with independent air supply. Full protection if necessary.

Further information

Do not inhale the explosion-gases. Cooling the cans by water jet. Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Personal precautions

Remove possible causes of ignition-do not smoke. Ensure sufficient supply of air. Avoid inhalation and contact with eyes or skin. Keep away from food, drink and animal feeding stuffs.

Environmental measures

If leakage occurs, dam up. Prevent from entering drainage system. Avoid release to the environmental. Prevent surface and ground-water infiltration, as well as ground penetration.

Methods for cleaning up

Collect the active ingredient using adsorbent material (e.g. Universal binding medium) and dispose of according to point 13. Ensure good ventilation.

7. Handling and storage

7.1 Handling

Tips for safe handling

Do not inhale aerosol vapour. Take precautions against electrostatic charges. Only use working methods according to operating instructions.

7.2 Storage

Requirements for storage rooms and containers

Not to be stored in gangways or stair wells. Do not store with flammable or self-igniting materials. Observe special regulations for aerosols (Germany: TRG 300).

Special storage conditions

See point 10. Store in a dry and well ventilated area. Store cool.

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8. Exposure controls/personal protection

8.1 Exposure limits

Limits (MAK/TRK TRGS 900)

Chemical name	limit				type
CAS-No.	ml/m ³	mg/m ³	F/m ³	category	
propane					
74-98-6	1000	1800		4	
butane					
106-97-8	1000	2400		4	
Distillates (petroleum), hydrotreated light					
64742-47-8	70	350			MAK
Naphtha (petroleum), hydrotreated light					
64742-49-0	200	1000			MAK

Further information

The information about the exposure limits based on the German regulations.

8.2 Exposure limits and controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. Wash hands before breaks and at end of work. Remove contaminated clothes.

Respiratory protection

Use filter A-P EN 141 if the exposure limits are exceed.

Hand protection

Safety gloves are recommended. (EN 374)

Eye protection

Protective goggles with side protection (EN 166)

Skin protection

Protective working clothes with safety shoes EN 344

9. Physical and chemical properties

9.1 Appearance

Physical state: aerosol
Colour: yellow
Odour: like vanilla

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Boiling point < - 20 °C propellant

Flash point < - 20 °C propellant

Ignition temperature 235 °C propellant

The product itself has no explosion potential., but a explosive vapour air mixture can built up.

Minimum limit of explosion: 1,5 Vol.-%

Maximum limit of explosion: 10,5 Vol.-%

Vapour pressure: 3,6 bar pressure inside
(at 20 °C)

Vapour pressure: 7,3 bar pressure inside
(at 50 °C)

Density: 0,68 g/cm³ calculated
(at 20 °C)

Solubility in water: insoluble
(at 20 °C)

Kinematical viscosity: not applicable

10. Stability and reactivity

Condition to avoid

Heating, electrostatic charging, open flame

Material to avoid

See point 7.

Hazardous decomposition products

See Point 5.

11. Toxicological information

Acute toxicity and immediate effects

No information available

Delayed and chronic effects

No information available

Further information

Classification according to calculation procedure.

12. Ecological information

For the product no information available. Water hazard class (Germany): 2 (Self classification VwVwS)

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13. Disposal considerations

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

Waste code product : 160504

Gases in pressure containers (including halons) containing dangerous substances

Waste code packaging material:

150101 paper and cardboard packaging

150104 metallic packaging

Recommendation

Pay attention to local and national official regulations

14. Transport information

Road/Rail-transport (ADR/RID/GGVS/GGVE)

ADR/RID-GGVS/GGVE-Class: 2 Code 5F

UN-No.: 1950

Aerosols, flammable
Limited Quantities (LQ 2)

Transport by sea

IMDG/GGVSee-Class: 2.1
UN-No.: 1950
EmS: F-D, S-U

Aerosols
Limited Quantities

Transport by air

ICAO/IATA-Class: 2.1
UN/ID-No.: 1950

Aerosols, flammable Class: 2.1 UN 1950

Additional information

Minimum amount regulations have not been taken into account. Danger code and packing code on request.

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15. Classification according to Dangerous Product Regulations**15.1 Classification****Symbols**

F+

**R-phrases**

Extremely flammable.

Repeated exposure may cause skin dryness or cracking.

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

S-phrases

Keep out of the reach of children.

Do not breathe vapour/spray.

Use only in well-ventilated areas.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Additional regulations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. 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. Without proper ventilation an explosive air-vapour-mixture can build-up

16. Other information

The following phrases represent the prescribed R-phases for the ingredients (designated in point 2)

- 11 Highly flammable
- 12 Extremely flammable
- 38 Irritating to skin
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Additional information

The statements made here should describe the product with regard to the necessary safety precautions- they are not mean to guarantee definite characteristics or properties – but they are based on our present up-to-date knowledge.