



Material safety data sheet (91/155 EWG)

Page 1/5

Oil spray for instrument care

1. Substance / preparation and company name

Trade name
Manufacturer / Supplier

Oil spray
HEBUmedical GmbH
Badstrasse 8, D-78532 Tuttlingen
Telefon 07461/9471-0, Telefax 07461/9471-22
Telefon 07461/9471-0

Emergency informative

2. Composition / information on ingredients

Chemical characterization
Paraffin oil. Propan/Butane

Hazardous ingredients

CAS-No.	Description	[Wt-%]	Classification
000074-98-6	Propane liquefied	10-15	F+ R12
000106-97-6	Butane	45-50	F+ R12

Additional hints to CAS-No. 74-98-6/106-97-8: These substances contain <0.1Gew% 1,3-butadiene and do not have to be classified as carcinogenic (Note K).

3. Possible dangers

R-Phrases
12

Extremely flammable
Special hazard warnings for people and the environment
Formation of explosive gas-air mixtures possible through use

4. First aid

General Hints

Bring affected persons to fresh air.

After inhalation

If inhaled, remove to fresh air and seek medical advice

After skin contact

Wash with water and soap

After eye contact

Flush eye thoroughly with water under protection of uninjured eye immediately

After swallow

If swallowed, seek medical advice immediately and show this package or label

Hints for the doctor/possible symptoms

Not known

Hints for the doctor/possible dangers

Not known

Hints for the doctor/treatment instructions

Treat symptomatically.

5. Fire fighting measures

Suitable extinguishing agents

- Foam
- Extinguishing powder
- Carbon dioxide

For safety reasons unsuitable extinguishing agents

- Heavy water stream

Special hazards caused by the substance, its combustion products or corresponding gases

Danger of bursting due to overheating

Special protective equipment

Use self-contained breathing apparatus

Other information

Cool endangered containers with water spray.

6. Measures on accidental release

Security measures related to persons

Keep ignition sources away.

Environmental protection measures

Generally not required

Process for cleaning/ absorption

Take up smaller quantities with suitable liquid-binding materials

Additional hints

None



Material safety data sheet (91/155 EWG)

Page 2/5

Oil spray for instrument care

7. Handling and storage

Instructions for safe handling

Only use in well-ventilated areas

Information about fire and explosion protection

During processing, volatile, flammable components are released

Requirements for storage rooms and containers

TRG 300 and observe regulations LwgS

Storage compatibility

none

Further information on storage conditions

Protect from heat and direct sunlight.

Storage class 2B

Fire class C

Information on storage stability

Storage time >24 months

8. Exposure limits and personal protection time

Additional hints on the design if technical systems

See chapter 7.: no additional measures required

Components of workplace-related , monitored limit values					
CAS-Nr.	Description	Art	[mg/m ³]	[ml/m ³]	Notes
000074-98-6	Propen	MAK	1800	1000	
000106-97-8	Butane	MAK	2350	1000	

Respiratory protection

Generally not required

Hand protection

Generally not required

Eye protection

Generally not required

Body protection

Generally not required

General protection measures

Do not inhale aerosols.

9. Physical and chemical characteristics

Form

Aerosol

Colour

colorless

Odor

nearly odorless

Safety- relevant data					
	Value	Temperature	At	Method	Notes
pH-Value in delivery condition					Not applicable
Acid number					Not applicable
Change of state Fixed/					Not applicable
Flash point					Not applicable
Flammability Fixed					Not applicable
Ignition temperature					Not applicable
Spontaneous combustion					Not applicable
Lower explosion limit					Not applicable
Upper explosion limit					Not applicable
Vapor pressure	4500 hPA	20°C			Not applicable
Density	0,6525g/cm ³	20°C			Not applicable
Protective dense					Not applicable
Relative steam density					Not applicable
Solubility in water					insoluble
Solubility / other					Organic solvents
Distribution coefficient (log pOW)					Not determined
Viscosity 1					Not applicable
Viscosity 2					Not applicable
Solvent burning test					Not applicable
Solvent content	0%				Not applicable

Oxidizing characteristics

None in the sense of GefStoffV

Explosion hazard

By use, formation of explosive mixtures possible

Additional information

None

10. Stability and reactivity

Conditions to avoid

Avoid near sources of ignition (sparks, flames , embers)

Materials to avoid

none

Dangerous decomposition products



Material safety data sheet (91/155 EWG)

Oil spray for instrument care

None under normal use

Additional information

None

11. Toxicological information

Acute toxicity/ effects / sensitization			
Value/Evaluation	Species	Methods	Notes
LD50 Acute Oral			No data available
LD50 Acute Derma			No data available
LD50 Acute Inhalativ			No data available
Skin irritation			None
Eye irritation			Weak
Sensitization skin			None
Sensitization respiration			None
Subacute toxicity – Cancorogenity			
Subacute Toxicity			No data available
Subchronic Toxicity			No data available
Chronical Toxicity			No data available
Mutagenicity			None
Reproduction Toxicity			None
Cancorogenity			None

Toxicological tests (other information)

None

Experiences from practice

No negative ones

General notes

None

12. Ecological information

Information on elimination (persistence and degradability)

Elimination rate	Analysis method	Method	Evaluation
Physicochemical degradability			Product does not reach waste water
Biological degradability			Product does not reach waste water
Light degradability			Product does not reach waste water
Biological eliminability			Product does not reach waste water
Degradability acc. to WRMG			Product does not reach waste water

Behavior in environmental compartments

The product has not been tested. Due to the consistency and low water solubility of the product a bioavailability is not probably.

Ecotoxic effect

Value	Species	Method	Evaluation
	Fish		No data available
	Daphnia		No data available
	Alga		No data available
	Bacteria		No data available

Behavior in sewage treatment plants

Product does not reach waste water

Respiratory inhibition of municipal activated sludge

Value	method	Evaluation
EC 50		Product does not reach waste water

Further ecological information

Value	Method	Notes
OC		not determined
CSB		not determined
BSB		not determined



Material safety data sheet (91/155 EWG)

Page 4/5

Oil spray for instrument care

AOX-value none

Contains according to the recipe heavy metals and compounds of the EC Directive (76/464EWG)

none

General hints

The biodegradability cannot be determined due to insolubility

13. Hints for removal

Waste key

13.02.02

Waste name

Non-chlorinated engine, gear and lubricating oils.

Package recommendation

Make use of material or energy recovery.

Package recommendation

recycling EAK-key-Nr. 150104

Recommended cleaning agents

none

General hints

Dispose small residues together with the container

14. Transport regulations

Overland transport (AOR/RID/GGVS/GGVE)

Description of goods

1950 Aerosols

Class/digit/letter

2/5F

Danger-No.

-

Material-No.

-

Notes

Note in the transport document: carriage acc. to R.2201a(3)

Package labeling UN 1950(diamond)

Marine transport IMDG/GGV Scc

Real technical name

Acrosole

Class

2

UN-No.

1950

Marine pollutant

No

PG

-

EmS-No.

2-13

IMDG Page

2103

Notes

Note in the transport document: limited quantities

Package labeling: AEROSOLS UN 1850

Air transport ICAO/IATA

Real technical name

Aerosols, flammable

Class

2.1

UN/ID-No.

UN1950

PG

II

Notes

UN-4G/Y fibreboard boxes required

Label: Flammable Gas

Maring: Aerosols, flammable UN 1950

Additional information for the transport:

ADR. Trem card not required

15. Regulations

Hints for identification

The identification "extremely flammable" is not carried out in accordance with GefStoffV but in accordance with TRG 300 or Directive 94/1 / EEC. The application of the provisions of Part 2 GefStoff and TRGS 200 does not lead to a classification "highly flammable".

Identification

F+ Highly flammable

R-Sätze

12 Highly flammable.

Special identification of certain preparations

Container is under pressure. Protect from sunlight and temperatures over 50 ° C. Do not open with force or incinerate even after use. Do not spray against flame or glowing object. Keep away from ignition source- do not smoke. Keep out of the reach of children. Without adequate ventilation formation of explosive mixtures possible. Safety data sheet available on request for professional users.

National regulations

Notes on employment restrictions

none

Incident ordinance

not applicable

Classification acc to VbF

not applicable

TA Air Notes

not applicable

Water hazard class

1 self-assessment acc. to

VwVwS 99



Material safety data sheet (91/155 EWG)

Oil spray for instrument care

Page 5/5

16. Other information

Training advice

Use the information of this safety data sheet.

Recommended usage and restrictions

Use only according to instructions for use observing the warning

Further information

The regulations of the directives 98/98/EG und 1999/45/EG are already considered.

Sources of the most important data Daten

Safety data sheet of raw materials.