

Safety Data Sheet according to WHMIS

AESULAP AG

Revision date: 27.03.2013

Revision No: 1,03

AESULAP STERILIT I OILSPRAY

00250-0001

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

AESULAP STERILIT I OILSPRAY

Further trade names

JG 600

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Preservative agent

Details of the supplier of the safety data sheet

AESULAP AG

Am AESULAP-Platz

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Responsible Department:

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

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SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger: F+ - Extremely flammable

R phrases:

Extremely flammable.

Other hazards

In use, may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Aerosol with preparation of special oil

Volume: 300 ml

Hazardous components

CAS No	Chemical name	Quantity
106-97-8	Butane	< 100 %
289711-48-4	White oil, technical	< 5 %

SECTION 4: First aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

Take away from danger area and lay down affected person.

After inhalation

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

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In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

Summon a doctor immediately.

Attention. Beware, danger of aspiration.

Induce vomiting only upon the advice of a physician.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

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

Inhalation of vapours in high concentration can cause narcotic effects.

Rapid evaporation of the liquid may cause frostbite.

May cause eye/skin irritation.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

Special hazards arising from the substance or mixture

Fire may produce:

Carbon monoxide and carbon dioxide.

Advice for firefighters

Use breathing apparatus with independent air supply.

Protective suit

Additional information

Cool containers at risk with water spray jet. Heating will cause pressure rise with risk of bursting.

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use only explosion-proof equipment.

Remove all sources of ignition.

Avoid contact with skin, eyes and clothing.

Environmental precautions

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

Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

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Shovel into suitable container for disposal.

Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal look up chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

Do not breathe aerosol

Advice on protection against fire and explosion

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 adequate ventilation formation of explosive mixtures may be possible.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Specific end use(s)

Preservative agent

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	1000			TWA (8 h)	TLV
		-	-		STEL (15 min)	TLV
		-	-		Peak	TLV

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not breathe aerosol

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Avoid contact with eyes and skin.

Respiratory protection

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

Hand protection

Splash protection:

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Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 120 minutes, i.e. protective glove <Camatril Velours 730> 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

Long sleeved clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	White
Odour:	Hydrocarbon-like

Test method

Changes in the physical state

Melting point:	- 138 °C *)
Boiling point:	- 0,5 °C *)
Flash point:	- 60 °C *)
Lower explosion limits:	1,4 vol. % *)
Upper explosion limits:	9,4 vol. % *)
Ignition temperature:	365 °C *)
Vapour pressure:	2800 hPa *)
(at 30 °C)	
Density (at 20 °C):	0,60 g/cm³ *)
Water solubility:	Immiscible
(at 20 °C)	

Other information

*) Butane

SECTION 10: Stability and reactivity

Conditions to avoid

Fire or intense heat may cause violent rupture of packages.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No toxicological data available.

Irritation and corrosivity

Skin irritation: Not classified.

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Eye irritation: Not classified.

Sensitizing effects

Not classified.

Severe effects after repeated or prolonged exposure

STOT - Single exposure: Not classified.

STOT - Repeated exposure: Not classified.

Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: Not classified.

Mutagenicity: Not classified.

Teratogenicity: Not classified.

Additional information on tests

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EG.

Empirical data on effects on humans

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

Inhalation of vapours in high concentration can cause narcotic effects.

Rapid evaporation of the liquid may cause frostbite.

May cause eye/skin irritation.

May cause irritation of the mucous membranes.

SECTION 12: Ecological information

Toxicity

Ecological data are not available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

Slightly water hazardous.

Further information

Do not flush into surface water or sanitary sewer system.

Ecological injuries are not known or expected under normal use.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Contaminated packaging

Offer empty spray cans to an established disposal company.

SECTION 14: Transport information

Canadian TDG

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Proper shipping name

AEROSOLS, flammable

UN/ID number: UN1950

Hazard classes: 2.1

Hazard label: 2.1

Limited quantity: 1

Marine transport (IMDG)

UN number: UN1950

UN proper shipping name: AEROSOLS

Transport hazard class(es): 2

Packing group: -

Hazard label: 2.1



Limited quantity: 1 L / 30 kg

EmS: F-D, S-U

Air transport (ICAO)

UN/ID number: UN1950

UN proper shipping name: AEROSOLS, flammable

Transport hazard class(es): 2.1

Hazard label: 2.1



Limited quantity Passenger: Y203 / 30 kg G

IATA-packing instructions - Passenger: 203

IATA-max. quantity - Passenger: 75 kg

IATA-packing instructions - Cargo: 203

IATA-max. quantity - Cargo: 150 kg

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

Canadian regulations

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DSL/NDL 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.

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

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SECTION 16: Other information

Further Information

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.)