

**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

**Emergency telephone:** Emergency Telephone: +1 3523233500 (INFOTRAC)

**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.

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## **SECTION 5: Firefighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), 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.

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## **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 <sup>3</sup>	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: (at 30 °C)	2800 hPa *)
Density (at 20 °C):	0,60 g/cm <sup>3</sup> *)
Water solubility: (at 20 °C)	Immiscible

### 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.

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**SECTION 12: Ecological information**

**Toxicity**

Ecological dates 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.

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**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.

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**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/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.

**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)"

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