

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### JG 598

Revision date: 22.05.2018

Product code: 00250-0003

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

##### 1.1. Product identifier

JG 598

##### Art.-No.

39160, 31416

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Preservative agent

##### 1.3. Details of the supplier of the safety data sheet

Company name: AESCULAP AG  
 Street: Am AESCULAP-Platz  
 Place: D-78532 Tuttlingen/Donau  
 Telephone: +49 (0) 74 61 95-0  
 Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de  
 Telefax: +49 (0) 74 61 95-2600

##### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
 In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

##### Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

##### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

##### Chemical characterization

Mixture of highly refined hydrocarbons (white oil)

Sum formula: .

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
289711-48-4	White oil, technical			50-100 %

Full text of H and EUH statements: see section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

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**After inhalation**

Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash with water and soap as a precaution.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.

**After ingestion**

Do not induce vomiting.  
Administer activated charcoal.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

**4.2. Most important symptoms and effects, both acute and delayed**

A longer or repeated contact may lead to irritation of eyes and mucous membranes.  
Prolonged skin contact may cause irritation.  
Attention. Beware, danger of aspiration.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.  
Protective suit.

**Additional information**

Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Attention. Hazard of skidding.  
Avoid contact with skin, eyes and clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.  
Do not discharge into the subsoil/soil.

**6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Shovel into suitable container for disposal.

**6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

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Information for disposal see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid contact with skin, eyes and clothing.

##### Advice on protection against fire and explosion

No special protective measures against fire required.

#### 7.2. 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 and drink.

#### 7.3. Specific end use(s)

Preservative agent

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Appropriate engineering controls

No specific precautions required.

##### Protective and hygiene measures

Keep away from food and drink.

Wash hands before breaks and at the end of workday.

##### Eye/face protection

If used properly, no need to wear eye protection.

Avoid contact with the eyes.

##### Hand protection

If used properly, protective gloves are normally not required.

Avoid contact with the skin.

##### Respiratory protection

No personal respiratory protective equipment normally required.

In case of vapour formation use respirator.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless, Slightly yellowish
Odour:	Odourless

#### Test method

##### Changes in the physical state

Flash point:	195 °C
Lower explosion limits:	n.d.
Upper explosion limits:	

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Ignition temperature:	n.d.
Vapour pressure: (at 20 °C)	< 5 hPa
Vapour pressure: (at 50 °C)	< 5 hPa
Density (at 20 °C):	approx. 0,85 g/cm <sup>3</sup>
Water solubility:	insoluble
Viscosity / kinematic: (at 40 °C)	48 - 51 mm <sup>2</sup> /s

**9.2. Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4. Conditions to avoid**

Keep away from heat and sources of ignition.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products**Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**Practical experience**

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#### Other observations

A longer or repeated contact may lead to irritation of eyes and mucous membranes.  
Prolonged skin contact may cause irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecological data are not available.  
White oil, technical  
LC50/Leuciscus idus/96 h > 1000 mg/l [OECD 203]  
EC50/Daphnia magna/48 h > 100 mg/l [OECD 202]  
NOEL/Pseudokirchneriella subcapitata/72 h >= 100 mg/l [OECD 201]  
EC50 Activated sludge (kom.)/40 h > 1000 mg/l [QSAR]

#### 12.2. Persistence and degradability

Biodegradable (OECD): 31,3 % (28) [OECD 301F]  
Not readily biodegradable.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

#### 12.6. Other adverse effects

Low hazard to waters.

#### Further information

Do not flush into surface water or sanitary sewer system.  
In sewers, may be separated by oil and grease separators.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal.

##### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.  
Packaging that cannot be cleaned should be disposed of like the product.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.

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**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

2004/42/EC (VOC): 0 %  
 Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

##### National regulatory information

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

Changes in chapter: 3, 9

#### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 IMDG = International Maritime Code for Dangerous Goods  
 IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
 MARPOL = International Convention for the Prevention of Pollution from Ships  
 IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation 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.)*

**CC-024-21**