

# EC-Safety Data Sheet

according to 91/155/EC

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updated: 15.10.01/AH, rev.3

printed the: 18.10.2001

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**Product:** Agefko No. 5 Perfume oil 816-230

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## 1. Chemical Product and Company Identification

Tradename: Agefko No. 5 Perfume oil 816-230  
Manufacturer: Düllberg Konzentra GmbH & Co, Obenhauptstraße 3, 22335 Hamburg  
Tel. No.: 040/507114-0/50, Telex: 34 56 78, Fax: 040/507 114 14  
Emergency tel.no: TUIS, Werksfeuerwehr BASF Ludwigshafen, Telefon: 0621-604 33 33

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## 2. Composition/Information on Ingredients

Chemical Identification: Perfume oil (essential oils, aromatic compoundss)  
Main Ingredients: Terpinol, Dipentene, D-Limonene, Lemongras oil

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## 3. Hazards Identification

Specific hazards for man and environment: flammable, harmful and irritating liquid according to the german chemical law § 3a (1) 5, law § 3a (1) 8 and 10, resp. the Gefahrstoffverordnung.

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## 4. First Aid Measures

General Indications: Remove contaminated clothes.  
Inhalation: Remove from exposure site, fresh air, keep at rest, obtain medical advice.  
Skin exposure: Wash thoroughly with water and soap, contact physican if symptoms persist.  
Eye exposure: Flush immediately with water for at least 15 minutes, contact physican if symptoms persist  
Ingestion: Rinse mouth at once with water and obtain medical advice.

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## 5. Fire-Fighting Measures

Appropriate Extinguishing Media: Carbondioxide, dry chemical, foam.  
Unsuitable Extinguishing Media (for safety reasons): Water  
Special Protective Outfit: Independent respiratory equipment and protective clothing.  
Further Indications: Left-overs have to be disposed of according to local legislations.

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## 6. Accidental Release Measures

Personal Precautions: Avoid inhalation and contact with skin and eyes. Keep working area well ventilated.  
Environmental Precautions: Keep away from drains, surface and groundwater and soil.  
Spillage/Cleaning: Remove ignition sources. Provide adequate ventilation. Gross spillages should be contained by use of sand or inert powder and disposed of according to local legislation.

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## 7. Handling und Storage

Handling: Precautions against fire and explosions: Keep storage- and work-areas well ventilated. Provide possibilities for measures against electrostatical charging. Keep sources of ignition at a distance. Provide fire-extinguisher.

Storage: Keep tightly closed, cool and dry in a well ventilated area, shielded from light.  
Classification according to VbF: A II

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## 8. Exposure Control / Personal Protection

Additional indications for the configuration of technical equipment: refer to point 7.

Compounds with exposure limits for working areas: none

Personal protective equipment: Respiratory protection if working area is insufficiently ventilated.  
Hand Protection: Gloves  
Eye Protection: Safety-goggles with shielded sides

General Safety and Hygenemeasures: The usual prudence on working with chemical substances is to be observed.

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## 9. Physical and Chemical Properties

<u>Form:</u>	liquid	<u>Colour:</u>	pale yellowish
<u>Odour:</u>	fresh, citrus-like	<u>Melting point:</u>	not determined
<u>Boiling point:</u>	> 170 °C		
<u>Flashpoint:</u>	55 °C		
<u>Explosive properties:</u>	not determined	<u>Autoflammability:</u>	not determined
<u>Vapour Pressure.(20 °C):</u>	not determined		
<u>Density (20 °C):</u>	0,877 g/cm <sup>3</sup>	<u>Refractive Index: (20 °C):</u>	1,475
<u>Solubility in Water (20 °C):</u>	practically insoluble		
<u>Solubility in other solvents:</u>	soluble in several other organic solvents.	<u>pH-value:</u>	neutral
<u>Partition coeff. n-Octanol/Water (log POW):</u>	not determined		

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## 10. Stability and Reactivity

Decomposition: at lowered pressure nearly undecomposedly distillable, stable up to app. 100 C.

Substances to be avoided: acids and bases.

Hazardous Reactions: None, if treated according to designation.

Hazardous products of decomposition: None, if processed according to designation.

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## 11. Toxicological Information

main components:

Terpinol LD<sub>50</sub> orl rat: 4,3 g/kg\*      Dipentene LD<sub>50</sub> orl rat: > 5,0 g/kg  
D-Limonene LD<sub>50</sub> orl rat: > 5,0 g/kg\*      Lemongras oil LD<sub>50</sub> orl rat: 5,6 g/kg\*

Additional Remarks: \*Literature "RIFM-Monograph".

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