

Safety data sheets

fleur ami leafshine

1 Identification of substance

- Product details
- Trade name
Blattglanz o. Duft
- Article number: H1000789502000
- Manufacturer/Supplier:
fleur ami GmbH
Hanns-Martin-Schleyer-Str. 33
47877 Willich
- Emergency information: Poison Control Center, Mainz
phone +49 (0) 61 31/19 240

2 Hazards identification

- Hazard designation:
Xn Harmful
- Information pertaining to particular dangers for man and environment: The product has to be labelled due to the calculation procedure of the „General Classification guideline for preparations of the EU“ in the latest valid version.
R 10 Flammable.
R 36 Irritating to eyes.
R 65 Harmful: may cause lung damage if swallowed.
R 67 Vapours may cause drowsiness and dizziness.
- Classification system:
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of the substances listed below with harmless additions

Dangerous components:			
CAS: 90622-58-5 EINECS: 292-460-6	Alkane, (C11-C15)-Iso-	Xn; R 65-66	50-100%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	Xi, F; R 11-36-67	10-25%

- Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- General advice: Instantly remove any clothing soiled by the product.
- After inhalation
Provide fresh-air circulation. If symptoms continue, consult a doctor. In case of respiratory failure or breathing irregularities, commence resuscitation or oxygen inhalation and immediately consult a doctor. In case of unconsciousness, place und transport the patient in a recovery position.
- After skin contact
Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.
- After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- After swallowing In case of persistent symptoms consult doctor.

- Information for doctor
Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration.
Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

5 Fire fighting measures

- Suitable extinguishing agents
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- For safety reasons unsuitable extinguishing agents Water with a full water jet.
- Special hazards caused by the material, its products of combustion or flue gases:
Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise.
Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.
Avoid contact with combustible substances
- Protective equipment:
See section 8.
Wear full protective suit with self-contained breathing apparatus.
- Additional information Endangered containers in the surrounding area should be cooled with a water-hose.

6 In case of accidental release

- Person-related safety precautions:
Wear protective equipment. Keep off unprotected persons
Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks.
Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly.
Protect against electrostatic sparks.
- Measures for environmental protection:
Prevent material from reaching sewage system, holes and cellars.
If large amounts are released, the authorities must be informed.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- Additional information: Danger of explosion

7 Handling and storage

- Handling
- Information for safe handling:
Keep containers tightly sealed.
Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.
Prevent formation of aerosols.
- Information about protection against explosions and fires:
Keep ignition sources away -Do not smoke.
Protect against electrostatic charges.
- Storage Protect against direct sunlight, other heat sources and flammable sources.
- Requirements to be met by storerooms and containers:
Observe official regulations on storage and handling of water hazardous substances
- Information about storage in one common storage facility:
According to guidelines of the VbF, flammable liquids should not be stored together.

- Further information about storage conditions:
Attention should be paid to the guidelines of the VbF and the related technical regulations of the TRbF
Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- Additional information about design of technical systems:
Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

• Components with critical values that require monitoring at the workplace:	
67-63-0 propan-2-ol (10-25%)	
WEL ()	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

- Additional information: The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures
Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Gases, fumes and aerosols should not be inhaled.
- Breathing equipment:
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed safety glasses.
- Body protection:
Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

9 Physical and chemical properties:

• General Information	
Form:	Fluid
Colour:	Colourless
Smell:	Characteristic
• Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	82 °C
• Flash point:	29 °C
• Ignition temperature:	425 °C
• Self-inflammability:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
• Critical values for explosion:	Lower: 2.0 Vol % Upper: 12.0 Vol %
• Vapour pressure at 20 °C:	48 hPa
• Density at 20 °C	ca. 0.85 g/cm ³
• Solubility in/Miscibility with Water:	Not miscible or difficult to mix
• pH-value:	not applicable

10 Stability and reactivity

- Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known
- Dangerous products of decomposition: Formation of carbon monoxide and carbon dioxide in case of fire.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Irritant effect.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information:

- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- Product:
The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.
- Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. If possible, send to be recycled, otherwise burn or deposit in a certified facility.
Contaminated water to separate by separator and dispose off in line with administrative regulations.

- Waste disposal key number:
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application related. The valid waste code number of the application can be obtained from the European waste catalogue.
- Uncleaned packagings: Disposal must be made according to official regulations.
- Recommendation:
After complete emptying and cleaning, send to be reconditioned or recycled.
Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.
Care should be taken that no other materials get into the packaging.
Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.
Caution: Leftovers in the containers may cause the risk of explosion.
Uncleaned containers should not be perforated, cut or welded.

14 Transport regulations:

• Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)	
• ADR/RID-GGVS/E Class:	3 (F1) Flammable liquids.
• Kehler Number:	30
• UN-Number:	1993
• Packaging group:	II
• Label	3
• Designation of goods:	1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), special provision 640D
• Maritime transport IMDG/GGVSea:	
• IMDG/GGVSea Class:	3
• UN Number:	1993
• Label	3
• Packaging group:	II
• EMS Number:	F-E,S-D
• Marine pollutant:	No
• Correct technical name:	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
• Air transport ICAO-TI and IATA-DGR:	
• ICAO/IATA Class:	3
• UN/ID Number:	1993
• Label	3
• Packaging group:	II
• Correct technical name:	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

15 Regulations:

- Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives/
Ordinance on Hazardous Materials (GefStoffV)
- Code letter and hazard designation of product:
Xn Harmful
- Hazard-determining components of labelling:
Alkane, (C11-C15)-Iso

- Risk phrases:
 - 10 Flammable.
 - 36 Irritating to eyes.
 - 65 Harmful: may cause lung damage if swallowed.
 - 67 Vapours may cause drowsiness and dizziness.
- Safety phrases:

7 Keep container tightly closed.

- 16 Keep away from sources of ignition -No smoking.
- 23 Do not breathe fumes/aerosol.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- National regulations
- Information about limitation of use: Employment restrictions concerning young persons must be observed.
- Decree to be applied in case of technical fault: Materialgroup 3 (flammable liquids) mixing-swell to be observed
- Technical instructions (air):

Class	Share in %
NK	50-100
- Water hazard class:
Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
Complete wording of risk phrases (R-phrases) mentioned in section 3. These R-phrases refer to the constituents. The labelling for this product is stated in section 15.
 - 11 Highly flammable.
 - 36 Irritating to eyes.
 - 65 Harmful: may cause lung damage if swallowed.
 - 66 Repeated exposure may cause skin dryness or cracking.
 - 67 Vapours may cause drowsiness and dizziness.
- Department issuing data specification sheet: see item 1: Informing department