

Material safety data sheet

(in compliance with Regulation (EC) No. 1907/2006)

Published on: 16.02.2008

Revised on: 16.02.2008

Anti Mott Mottenschutz



1. Product and company identification

- Trade name: **Anti Mott Mottenschutz**
- Manufacturer / supplier: ARIES Umweltprodukte
Stapeler Dorfstraße 23
D-27367 Horstedt
Tel.: +49 (0)4288 9301-0
Fax: +49 (0)4288 9301-20
internet: www.aries.de
- Emergency telephone: The GIZ-Nord Poisons Centre
Tel.: +49 (0)551 19240

2. Composition / information on ingredients

- Chemical characterization:
Preparation: Essential oils in isopropanol / ethanol
- Hazardous ingredients:

CAS No.:	EC No.:	Designation	Weight %	Note
67-63-0	200-661-7	2-Propanol	62,0 %	
64-17-5	200-578-6	Ethanol	33,0 %	
8022-15-9	91722-69-9	Lavandin oil	2,0 %	

3. Hazards identification

Particular hazards for humans and the environment:

F, Xi	Highly flammable, Irritating
R 11:	Highly flammable
R 36/38:	Irritating to eyes and skin
R 52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 67:	Vapours may cause drowsiness and dizziness.
S 2:	Keep out of the reach of children
S 7:	Keep container tightly closed
S 16:	Keep away from sources of ignition - No smoking
S 24/25:	Avoid contact with skin and eyes
S 26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 62:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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4. First aid measures

- **General information:**
No special measures are necessary.
- **Inhalation:**
Promptly remove to fresh air. If problems persist, consult a physician.
- **Skin:**
Flush skin with plenty of soap and water.
- **Eyes:**
Lift lid and immediately flush open eye with running water for several minutes. Consult an eye doctor.
- **Ingestion:**
If accidentally swallowed, drink plenty of water and immediately consult a physician.

5. Fire-fighting measures

- **Extinguishing media:**
Use dry chemical, carbon dioxide, water spray or alcohol resistant foam.
- **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**
Fire gas of organic material has to be classed invariably as respiratory poison.
- **Special fire-fighting precautions / instructions:**
Use breathing apparatus with independent air supply.
- **Other information:**
Remove containers that are at risk, or cool them by spraying water. Collect residue and/or contaminated liquid and dispose of in accordance with applicable regulations.

6. Accidental release measures:

- **Person-related safety precautions**
Use under well-ventilated conditions. Keep away from heat, sparks and flame. Do not smoke! Avoid contact with the eyes and skin.
Contact with walking surface may result in formation of slippery film / falling hazard.
Observe the usual precaution measures for handling chemicals.
- **Measures for environmental protection**
Do not allow material to be released to the environment. Do not release into the sewer system, surface water or ground water.
- **Procedures for cleanup / containment:**
Absorb with liquid-binding material (e.g. sand, sawdust, universal binders).
Place in suitable containers for reclaiming or disposing.

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7. Handling and storage

- **Information for safe handling:**
Keep container tightly sealed. Avoid formation of aerosols.
Ensure good ventilation at the workplace when filling / repackaging.
- **Information on fire and explosion protection:**
Use and store under well-ventilated conditions.
Avoid electrostatic charge. Keep away from sources of ignition.
- **Instructions for warehouse and packaging:**
Keep sealed in the original containers and store in a dry place at 15...25°C.
- **Information on storage with other substances:**
Do not store together with oxidizing agents

8. Exposure control / personal protection

- **Additional information on designing technical facilities:**
Adequate ventilation and exhaustion.
- **Substances with occupational exposure limits:**

CAS No.:	EC No.:	Designation	TWA	[ppm]	Note
67-63-0	200-661-7	2-Propanol	8 hours	200	Y; 4
64-17-5	200-578-6	Ethanol	8 hours	500	Y
- **Other information:**
None
- **Respiratory protection:**
Respiratory protection is necessary when aerosol is generated or the above-mentioned limits are exceeded.
- **Protective gloves:**
Use protective gloves.
- **Eye protection:**
Use safety glasses.
- **Physical protection:**
Use protective, inflammable and antistatic clothing.
- **General protective measures:**
Observe the usual precaution measures for handling chemicals.
Do not inhale aerosols. Avoid contact with the eyes.
- **Work hygienic practices:**
Keep away from food. Wash hands before breaks and after work.

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9. Physical and chemical properties

- **Form:** Liquid
- **Apperance:** colourless
- **Odor:** alcoholic, typical etheric oils
- **pH-Value:** not available
- **Heating Point (°C):** not available
- **Flash Point (°C):** 10
- **Lower explosive limit:** not available
- **Upper explosive limit:** not available
- **Auto ignition temperature:** not available
- **Vapor Pressure hPa (50°C):** not available
- **Density (20°C):** not available
- **Solubility in water:** soluble in water in any proportion
- **Solubilty in organic solvents:** soluble in alcohols and most organic solvents
- **Viscosity (cP):** 1,9

10. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
Decomposition will not occur if the product is used and stored according to specifications. Keep away from sources of ignition.
Avoid contact with oxidizing agents.
- **Materials to be avoided:** Reactions with oxidizing agents and metals
- **Dangerous reactions:** Chemically stable in normal conditions of use
- **Dangerous products of decomposition:** in small amounts possible

11. Toxicological information

- **General toxicological information:**
Further toxicological effects of the product cannot be ruled out.
The product is to be treated with the standard caution in handling chemicals.
- **Other information (on experimental toxicology):**
No data available.
- **Other toxicological information:**
Datas of Isopropanol:

LD50 (oral, rat):	5045 mg/kg
LC50 (inhalation, rat):	46,5 mg/l / 4h
LDLo (oral, human):	3570 mg/kg

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12. Ecological information

- **General information:**

No ecological data are available.

Do not allow any material to be released to the environment.

13. Disposal considerations

- **Recommendations for this product:**

There are no standardized guidelines on chemical disposal in the member states of the EU. Reclaimable materials have to be handled as special waste materials. Disposal must comply with applicable local, state, and federal regulations.

- **Recommendations for packaging:**

Disposal of uncleaned packaging materials must comply with applicable local, state, and federal regulations. Cleaned packaging materials can be re-used.

14. Transport information

- **Information about transport:**

RID/ADR

UN-Number: 1219

Class: 3

Packing Group (PG): II

Name: ISOPROPANOL

15. Regulations

- **Symbols in compliance with EC guidelines / hazardous materials regulations:**

F, Xi Highly flammable, Irritating
Content: Isopropanol, Ethanol, Lavadin oil

R 11: Highly flammable

R 36/38: Irritating to eyes and skin

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R 67: Vapours may cause drowsiness and dizziness.

S 2: Keep out of the reach of children

S 7: Keep container tightly closed

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- **National regulations:**
Follow all regulations in your country

Information on access restrictions:
Only to be used by technically qualified people.
Observe restrictions for use by minors.

16. Other information:

Recommended usage and restrictions:
Applicable national and local chemicals laws are to be observed.

Additional information:
This information represents the best information currently available to us and is intended as a means of describing the product in terms of the safety procedures entailed in its handling. It does not construe a guarantee about the properties of the described products.

Employers are to use this information solely as a complement to their own findings and must decide for themselves about the applicability of the product so as to ensure the proper use and protection of their employees' safety and health.
This information does not imply any legal guarantee, and users are solely responsible for any use of the product which deviates from this safety sheet or any use in combination with any other product or process.