

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2007

Revision: 07.03.2003

1 Identification of substance

- **Product details**
- **Trade name** Aidol dur Aqua-Schichtlack
- **Article number:** 1977
- **Application of the substance / the preparation** Lacquer
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
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- **Emergency information:**
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after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **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:** Lacquer on the basis of the following fillers, resins and other components.

- **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xn, Xi; R 20/21/22-36/38	2.5-<10%
CAS: 112-34-5 EINECS: 203-961-6	2-(2-butoxyethoxy)ethanol	Xi; R 36	1-<2.5%

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

4 First aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of respiratory tract or mucous membrane irritation (e.g. tussive irritation), if you feel unwell or prolonged exposure, seek medical attention.
- **After skin contact**
Wash immediately with water and soap and rinse thoroughly.

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If skin irritation continues, consult a doctor.

Do not use solvents or thinners!

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Keep the person affected quiet.

- **Information for doctor**

- **The following symptoms may occur:**

In case of prolonged/repeated exposure or in high concentrations:

Headache

nausea

tiredness

Dazed

Unconsciousness

Dry skin

Excessive contact with skin, eyes or respiratory system may cause irritation.

- **Danger**

Danger by skin resorption.

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

- **Treatment**

symptomatic treatment

To avoid dermatitis (skin inflammation), use skin cream.

5 Fire fighting measures

- **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- **Special hazards caused by the material, its products of combustion or flue gases:**

Thick black smoke forms in fires. Inhalation of dangerous decomposition products may cause serious damage to your health.

- **Protective equipment:**

Put on breathing apparatus.

Do not inhale explosion gases or combustion gases.

Wear chemical protective clothing.

- **Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Measures for environmental protection:**

Do not allow product to reach sewage system or water bodies.

Do not allow to enter the ground/soil.

- **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.

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7 Handling and storage

- **Handling**
- **Information for safe handling:**
Use only in well ventilated areas.
Avoid the formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information on storage in a common storage facility:**
Suitable material for containers and pipes: Light metals and their alloys.
- **Further information about storage conditions:**
Store cool and dry in tightly closed containers.
Store container in a well ventilated position.
Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** Use only in well-ventilated areas.

- **Components with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

OES	Short-term value: 50 ppm Long-term value: 25 ppm Sk, , IOELV
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- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Immediately remove soiled, saturated clothing.
Do not eat, drink or smoke while working.
Keep away from food, beverages and animal feed.
Use skin protection cream for preventive skin protection.
Wash hands before pauses and after work.
Avoid contact with eyes and skin.
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
Only during spraying without adequate removal by suction.
Short term filter device:
Filter A (brown)
- **Protection of hands:** Protective gloves.
- **Material of gloves** Rubber gloves
- **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.
if there is a risk of splashes
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	White
Odour:	Characteristic

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· Change in condition Melting point/Melting range: Not determined Boiling point/Boiling range: 100°C	
· Flash point:	Not applicable
· Ignition temperature:	335°C
· Self-inflammability:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive.
· Vapour pressure at 20°C:	23 hPa
· Density at 20°C	ca. 1 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible
· Viscosity: kinematic at 20°C:	ca. 75 s (DIN 53211/4)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
No decomposition if handled and stored according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**
The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

12 Ecological information:

- **General notes:**
Water hazard class 1 : slightly hazardous to water.
Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

- **Product:**
- **Recommendation**
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

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· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** /

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** /

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** /

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).
Observe normal safety precautions for handling chemicals
- **Safety phrases:**
16 Keep away from sources of ignition - No smoking.
23 Do not breathe fumes/aerosol.
51 Use only in well-ventilated areas.
- **National regulations**
- **Technical instructions (air):**

Class	Proportion in %
II	2,5-<5

- **Water hazard class:**
Water hazard class 1: slightly hazardous to water.
according to appendix 4 VwVwS

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

- **Relevant R-phrases**
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
- **Department issuing data specification sheet:** Product Safety department