

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.06.2010

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1 Identification of substance

- **Product details**
- **Trade name** Aidol HK Stain
- **Article number:** 2250-92
- **Application of the substance / the preparation** Wood protection glazing
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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- **Informing department:**
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2 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
Use biocides safely. Always read the label and product information before use.
R 43 May cause sensitisation by skin contact.
R 66 Repeated exposure may cause skin dryness or cracking.
- **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:** wood preservative on an alkyd resin base with biocidal ingredients

- **Dangerous components:**

CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy	Xn; R 65	40-60%
CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light	Xn; R 65-66	10-20%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate	T, Xi, N; R 20/22-23-41-50	1-2.5%

- **Additional information**

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

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Benzene content: < 0,1% Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic (R 45). (Recommendation 94/69/EG (21. ATP))

4 First aid measures

General information

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest, provide artificial respiration.

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Take affected persons into the open air and position comfortably

Seek medical treatment in case of complaints.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Wash immediately with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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

Do not induce vomiting. Do not give anything to drink. Call a doctor 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

Dizziness

Dry skin

Irritating effect on skin and eyes.

Inhalation may have an irritating effect on mucous membranes.

Danger 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

Foam

Water spray jet

Water mist

Dry extinguishing agents, carbon dioxide, sand or earth should only be used for small fires.

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:**

May be released in case of fire

Carbon monoxide (CO)

(in case of incomplete combustion)

Carbon dioxide

Formation of toxic gases is possible during heating or in case of fire.

Conflagration gases from organic materials are always rated toxic for breathing.

When heated above the flash point, the formation of ignition-capable mixtures is possible.

Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit.

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- **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.

Keep away from ignition sources

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.

Prevent from spreading (e.g. by confining or oil barrier).

This product may not be allowed to reach surface water because it is toxic to aquatic environments.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable containers.

Clean soiled surfaces with detergent. Treat washing liquid as special refuse.

Place leaking containers in a marked drum or recovery drum.

Ensure adequate ventilation.

- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**

- **Information for safe handling:** Use only in well ventilated areas.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

- **Storage**

- **Requirements to be met by storerooms and containers:** Store in cool location.

- **Information on storage in a common storage facility:** Store away from food.

- **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.

Protect from frost.

Do not smoke in storage areas. Storage temperature: room temperature.

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:**

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during compilation were used as a basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Do not eat, drink or smoke while working.

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Apply solvent-resistant skin protection preparation before beginning work.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

Do not inhale gases / vapours / aerosols.

· **Respiratory equipment:**

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

Short term filter device:

Filter A/P2.

· **Protection of hands:** Solvent resistant gloves

· **Material of gloves:** Nitrile rubber, NBR

· **Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

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:** Protective work clothing.

9 Physical and chemical properties:

· **General Information**

Form:	Fluid
Colour:	Different, according to dye
Odour:	Solvent-like

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 190°C

· **Flash point:** > 62°C

· **Ignition temperature:** 230°C
white spirit

· **Self-inflammability:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.

· **Explosive Limits:**

Lower: 1.2 Vol %

Upper: 11.6 Vol %

· **Density at 20°C** 0.87 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

· **Viscosity:**

kinematic at 20°C: 90 - 130 s (ISO 2431/3mm)

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.

Avoid: heat, flames, sparks

· **Dangerous reactions**

Used empty containers may contain product gases which form explosive mixtures with air

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- **Dangerous decomposition products:**
None if used properly.
None if stored properly.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

64742-47-8 Distillates (petroleum), hydrotreated light

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

- **Primary irritant effect:**

- **on the skin:**

No irritating effect.
Dries skin out.

- **on the eye:** No irritating effect.

- **Sensitisation:** Sensitisation possible by skin contact.

- **Experience with humans:**

Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information:

- **General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.
Water hazard class 2 : hazardous to water.
according to appendix 4 VwVwS

13 Notes on disposal:

- **Product:**

- **Recommendation**

Liquid material remains are to be disposed of at collection facilities for old varnishes.
Do not dispose of together with household garbage. Do not allow product to reach sewage system.
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.

- **European waste catalogue**

03 02 05	other wood preservatives containing dangerous substances
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- **Uncleaned packaging:**
- **Recommendation:**
Only completely empty containers may be recycled.
Disposal must be made according to official regulations.

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 has been classified and labelled in accordance with EC Guidelines / relevant national laws. Observe normal safety precautions for handling chemicals
Benzene content: < 0,1%. Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic (R 45). (Recommendation 94/69/EG (21. ATP))

- **Code letter and hazard designation of product:**



Xi Irritant

- **Hazard-determining components of labelling:**

3-Iodo-2-propynylbutylcarbamate

- **Risk phrases:**

43 May cause sensitisation by skin contact.
66 Repeated exposure may cause skin dryness or cracking.

- **Safety phrases:**

2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
20/21 When using do not eat, drink or smoke.
24 Avoid contact with skin.
36/37 Wear suitable protective clothing and gloves.

- **Special labelling of certain preparations:**

Contains Fatty acids, C6-19-branched, cobalt(2+) salts, 2-butanone oxime. May produce an allergic reaction.

- **Product Code:** HSM-LV 30

- **National regulations**

- **Water hazard class:**

German Water hazard class 2: hazardous to water.
according to appendix 4 VwVwS

- **Other regulations, limitations and prohibition ordinances**

According to the Federal Institute for Sanitary Consumer Protection and Veterinary Medicine (BgVV):
Requirements/restrictions:

Do not use this wood preservative on wood that could come in direct contact with food or animal feed.
Wood preservatives contain biocidal ingredients to protect wood from pests. They should only be used

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according to directions and only in the approved areas where protective measures are required. Misuse may harm your health and the environment.

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

20/22 Harmful by inhalation and if swallowed.

23 Toxic by inhalation.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

· Department issuing data specification sheet: Product Safety department

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