

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: AI DO Komp. B Härter

Article-No.: AI DO Komp. B Härter

Revision Date: 26.06.2024

Replaces version from: 24.04.2021

Version: 11/en

Print date: 26.06.2024



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial Product Name **AI DO Komp. B Härter**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Paint according to technical data sheet no.

Recommended restrictions

Only Qualified for the application to our manufacturing instruction or our product recommendation. For other usage we provide no warranty resp. exclude liability.

1.3 Details of the supplier of the safety data sheet

Company designation

Dold AG
Hertistrasse 4
CH-8304 Wallisellen
Telephone: +41 / 44 / 877 48 48
FAX: +41 / 44 / 877 48 62
Email: info@dold.ch
Internet: www.dold.ch

Responsible Department

Labor Dold +41 44 877 48 37

1.4 Emergency telephone number

Emergency telephone number

Tox-Zentrum Zürich, +41 / 44 / 251 51 51, oder 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Acute Tox. 4 H332;
Skin Sens. 1 H 317;
STOT SE 3 H335

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

Hazardous component(s) to be indicated on label

Aliphatisches Polyisocyanat, Hexamethylen-1, 6-diisocyanat

H-statement(s)

H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

P-statement(s)

P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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SECTION 3: Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
Aliphatisches Polyisocyanat	CAS-Nr.: 28182-81-2 REACH -Nr 01-2119488934-20-0000	Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 50.0 % by weight
Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretdion Typ)	CAS-Nr.: 28182-81-2 REACH-Nr: 01-2119488177-26-0000	Acute Tox. 3 Inhalative; H331 Skin Sens. 1 H317 STOT SE 3; H335	< 20 % by weight
Hexamethylen-1,6- diiso-cyanat	CAS-Nr.: 822-06-0 REACH-Nr: 01-2119457571-37-0000	Acute Tox. 4 Oral; H302 Acute Tox. 1 Inhalative; H330 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Sens. Resp. 1; H334 Skin Sens. 1 H317 STOT SE 3; H335	< 0.26 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.
If inhaled	Provide fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.
In case of skin contact	Take off immediately all contaminated clothing. After contact clean skin thoroughly with water and soap oder use appropriate cleanser. Do not use solvents or thinners. The following must be prevented: UV-radiation/sunlight. (Sensitisation)
In case of eye contact	Remove contact lenses. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical advice. The following must be prevented: UV-radiation/sunlight. (Sensitisation)
If swallowed	In case of swallowing, get doctor immediately. Keep victim calm. Do not induce vomiting.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	alcohol resistant foam; carbon dioxide; powder; spray mist, (water)
Extinguishing media which must not be used for safety reasons	strong water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.
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5.3 Advice for firefighters

Special protective equipment for firefighting	Provide a conveniently located respiratory protective device.
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Additional information on firefighting: Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Provide for good room ventilation. Observe protective provisions (see chapter 7 and 8).

6.2 Environmental precautions

Environmental precautions: Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Use only in well-ventilated areas. Avoid contact with skin and eyes. Do not inhale vapours or mist. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protective equipment: refer to chapter 8. Follow the legal protection and safety regulations.

Precautions: Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used. This quality must not be used for products which come into contact with foods.

Advice on protection against fire and explosion: No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements: Keep container tightly closed. Store carefully closed containers upright to prevent any leaks.

Hints on storage assembly: Keep away from strongly acidic and alkaline materials as well as oxidizers. Getrennt von Lebensmitteln lagern.

Storage specifications: Always keep in containers that correspond to the material of the original container. Take care of instructions on label. Keep container in a well-ventilated place. Keep container dry. Protect from heat and direct sunlight.

Recommended storage temperature: Store between 5 and 20 C° in a dry, well ventilated place. Protect from heat and direct sunlight.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hexamethylene diisocyanate

Germany

Remarks	Ceiling Limit Value	Value / ppm	Value / mg/m3	Issuing date	Source
*1) Summe aus Dampf und Aerosolen. *2) Atemweggsensi- bilisierend.	1;=2=(l)	0,005	0,035	07/13	13

*1): Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der Deutschen Forschungsgemeinschaft.

*2): Der Arbeitsplatzgrenzwert gilt in der Regel nur für die Monomeren. Zur Beurteilung von Oligomeren oder Polymeren siehe TRGS 430 "Isocyanate".

Source: 13 – TRGS 900

Austria

Area of validity	Skin resorption / sensibilisation	Long-term exposure value/ ppm	Long-term exposure value/ mg/ m3	Short-term exposure value / ppm	Short-term exposure value / mg/ m3	Duration	Source
MAK	Sah	0,005	0,035	0,005	0,035	Mow	15

Source: 15 – Stoffliste (MAK-Werte und TRK-Werte)

8.2 Exposure controls

Respiratory protection

When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used.

Hand protection

For prolonged or repeated contact: Protective creams for the skin surfaces that come in contact with the product.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Skin and body protection

Wear suitable protective clothing.

General protective and hygiene measures

After contact clean skin thoroughly with water and soap oder use appropriate cleanser. Do not use any organic solvents.

Engineering measures

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Colour	colourless
Boiling point [°C]	100° C (derived Value)
Flash point [°C]	Not applicable.

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Density [g/cm³] 1.15 g/cm³
Autoinflammability The product is not flammable.

9.2 Other information

Miscibility with water complete miscible

SECTION 10: Stability and reactivity

10.1 Reactivity

Thermal decomposition When applying the recommended storage and handling conditions (see Section 7).

10.4 Conditions to avoid

Conditions to avoid strong ultraviolet radiation
heat.

10.5 Incompatible materials

Materials to avoid Keep away from free radical initiators, peroxides, strong alkaline material and reactive metals. An exotherm polymerization of the product may thereby be caused. Avoid unintended contact with it.

10.6 Hazardous decomposition products

Hazardous decomposition products Hazardous decomposition byproducts may form with exposure to high temperatures. (nitrogen oxides, carbon monoxide, carbon dioxide, smoke)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Irritant effect on skin Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc.. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin.

Irritant effect on eyes Liquid splashes can lead to irritations of the eyes.

Dermal absorption data Solvents may cause some of the aforementioned effects through skin resorption.

11.2 Additional information

Experience in practice When handled and used properly, the product, according to our experience and the information available to us, no adverse health effects.

Other information (chapter 11.) The product has not been tested. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

SECTION 12: Ecological information

12.1 Toxicity

12.6 Other adverse effects

Further information on ecology Do not empty into drains. Do not allow to enter into soil/subsoil. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations Do not empty into drains. Do not allow to enter into soil/subsoil.
Waste Code Waste code product: 080112
Nature of the waste Colour, paint or varnish
Uncleaned empty packaging Completely emptied containers are to be recycled as discarded metal or to be reconditioned. Vessels not properly emptied are special waste. (Waste key number 150110)

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IATA	
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

14.8 Additional information

Other information (chapter 14.) Transport according to ADR/RID, IMDG and ICAO/IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

*VOC 0
EU (g/l): 0
CH (g/kg): 0
*Decopaint regulation 2004/42/IIA(j)140(2010)0
Restriction of occupation. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water Hazard Class (Ger.) 1

SECTION 16: Other information

Relevant H-phrases H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.
Wording of the hazard classes Acute Tox.: Acute toxicity
Skin Sens.: Skin sensitization
STOT SE: Specific target organ toxicity – single exposure
Aquatic Chronic: Hazardous to the aquatic environment
Eye Irrit.: Serious eye irritation
Skin Irrit.: Skin irritation

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Resp. Sens.: Respiratory sensitization

*Modifications since last version

Modifications of the previous version are denoted with an asterisk (*). The safety data sheets of the products referred by you were revised due to important new information regarding security, health or environmental protection..

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

Classification	evaluation
Skin Sens. 1; H317	
Aquatic Chronic 3; H412	

Processing notes

Observe technical data sheet.

Further information

Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations.

Recommended restrictions

Only Qualified for the application to our manufacturing instruction or our product recommendation. For other usage we provide no warranty resp. exclude liability.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.