

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



67204 Aldehyde Resin A 81

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Revised edition: 09.09.2024

Version: 9.1

Printed: 19.12.2025

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Aldehyde Resin A 81

Article No.: 67204

UFI: YHKU-FANG-J00T-4X62

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Coating raw material for industrial purposes

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

EMail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

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

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

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

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

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3.1. Substance

3.2. Mixture

Chemical Characterization: Urea aldehyde resin

Information on Components / Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth with water and drink plenty of water.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, extinguishing powder.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous vapors may be released. Development of fumes/aerosol.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

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Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

Avoid formation of dust: risk of dust explosion.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Small spills:

Clean up with suitable appliance and dispose adequately.

Large spills:

Contain with dust binding material and dispose accordingly.

Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Avoid dust formation.

Take measures to prevent electrostatic discharge.

Dust explosion class 3 (Kst-value >300 bar m/s).

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

Storage temperature: min. 0°C, max. 50°C

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7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

PNEC (Predicted No-Effect Concentration):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

*Chemical protective gloves (EN 374 (Europe), F739 (US)).
The manufacturer's directions for use should be observed because of the great diversity of types.*

Protective glove material:

*Recommended: Protective index 6, corresponding > 480 min. of permeation time according to EN 374.
Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).*

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Apron.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: pastilles

Color: bright yellow

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| | |
|---|---|
| Odor: | <i>weak, characteristic</i> |
| Odor threshold: | <i>no information available</i> |
| pH-Value: | <i>6 - 7 (1 %(m), 23°C)</i> |
| Melting temperature: | <i>80 - 95°C</i> |
| Boiling temperature: | <i>not applicable</i> |
| Flash point: | <i>not applicable</i> |
| Evaporation rate: | <i>This product is a non-volatile solid.</i> |
| Flammability (solid, gas): | <i>not highly flammable</i> |
| Upper explosion limit: | <i>no information available</i> |
| Lower explosion limit: | <i>no information available</i> |
| Vapor pressure: | <i>not applicable</i> |
| Vapor density: | <i>This product is a non-volatile solid.</i> |
| Density: | <i>1.1 g/cm³ (20°C)</i> |
| Solubility in water: | <i>insoluble</i> |
| Coefficient of variation (n-Octanol/Water): | <i>not applicable</i> |
| Auto-ignition temperature: | <i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i> |
| Decomposition temperature: | <i>130°C, 30 kJ/kg (DDK 51107) (DSC (DIN 51007)) No decomposition when used properly.</i> |
| Viscosity, dynamic: | <i>not applicable</i> |
| Explosive properties: | <i>Product does not present an explosion hazard.</i> |
| Oxidizing properties: | <i>not oxidizing</i> |
| Bulk density: | <i>600 - 700 kg/m³</i> |

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9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Ignition temperature: 380°C

Decomposition point: > 190°C

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Thermal decomposition:

10.5. Incompatible Materials

Strong acids.

Oxidizing agents.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

> 5000 mg/kg (rat)

Not toxic after single oral exposure.

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

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Non irritating (rabbit)

Irritant effect on eyes:

Non-irritating to eyes (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No negative effects known.

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

*Single exposure: no organospecific toxicity expected.
Repeated exposure: no organospecific toxicity expected.*

Aspiration hazard:

11. 2. Information on other Hazards

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

not determined

Daphnia toxicity:

*EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)
Nominal concentration. Product is only slightly soluble in the test medium. An eluate was tested. No toxic effects in the range of solubility.*

Bacteria toxicity:

not determined

Algae toxicity:

not determined

12. 2. Persistency and Degradability

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12. 3. Bioaccumulation

Bioaccumulation is not to be expected.

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12. 4. Mobility

Does not evaporate from the surface of the water to the atmosphere.

12. 5. Results of PBT- und vPvP Assessment

According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.

12. 6. Endocrine Disrupting Properties

12. 7. Other Adverse Effects

Water hazard class:

1, slightly hazardous (German Regulation; Self-assessment).

Behaviour in sewage systems:

Further ecological effects:

Due to the consistency of the product, it is not classified as environmentally hazardous.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

European Waste Code (EWC):

Uncleaned packaging:

*Non-contaminated packaging may be recycled.
Contaminated packaging must be disposed like the substance.*

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14. 3. Transport Hazard Classes

ADR Class:

not applicable

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Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 75, 77

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

Exempted from the mandatory REACH Registration since this product is a polymer.

15. 3. Further Information

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Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.