

Safety Data Sheet

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



79163 Alkyd Resin AM

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Revised edition: 09.07.2019

Version: 2

Printed: 07.04.2021

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

1.1. Product Identifier

Product Name: Alkyd Resin AM

Article No.: 79163

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

Identified uses:

Binding agent

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

E-Mail: 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)

*Flammable liquids, hazard category 3
Skin sensitization, hazard category 1
Specific Target Organ Toxicity (single exposure), hazard category 3 (Narcotic effects)*

H226 Flammable liquid and vapour.

Cat.: 3
H317 May cause an allergic skin reaction.

Cat.: 1
H336 May cause drowsiness or dizziness.

Cat.: 3

Possible Environmental Effects:

2.2. Label Elements

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

Hazard designation:



GHS02

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GHS07-1

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P333+P313	If skin irritation or rash occurs: Get medical attention.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Mixture of the following substances.

Information on Components / Hazardous Ingredients:

Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics (H226-304-413); REACH Reg. No. 01-2119472146-39-xxxx	25-35 %	CAS-Nr: EINECS-Nr: 918-167-1 EC-Nr:
Hydrocarbons, C11-C14, n-Alkanes, Isoalkanes, Cyclenes, <2 % Aromatics (H226-336-304); REACH Reg. No.: 01-2119463258-33-0000	25-30 %	CAS-Nr: 64742-48-9 EINECS-Nr: 919-857-5 EC-Nr:
Cobalt [bis(2-ethylhexanoate)] (Skin Sens. 1A, H317; Eye Irrit. 2, H319; Repr. 1B, H360F; Aqu. Acute 1, H400; Aqu. Chron. 3, H412); REACH Reg.-Nr. 01-2119524678-29	< 0.1 %	CAS-Nr: 136-52-7 EINECS-Nr: 205-250-6 EC-Nr:
Xylene (H226-304-312-315-319-332-335-373); REACH Reg. No. 02-2119488216-32	< 0.05 %	CAS-Nr: 1330-20-7 EINECS-Nr: 215-535-7 EC-Nr: 601-022-00-9

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

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Do not leave affected persons unattended.

Take person away from hazardous area.

In all cases of severe injuries or in case of unconsciousness, do not transport affected persons: call a physician.

Give artificial respiration in case breathing is not regular or if it has stopped.

After inhalation:

Supply fresh air or give oxygen.

Get medical help.

In case of unconsciousness place patient stable in side position for transportation.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

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

After ingestion:

Do not induce vomiting. Consult physician immediately.

Never give anything by mouth to an unconscious person.

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

Symptoms:

Headache, dizziness, nausea, unconsciousness.

Effects:

Aspiration can cause disorders of the central nervous system.

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

Treatment:

If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray jet.

Fight larger fire with water jet or alcohol resistant foam.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides, toxic gases/vapors.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

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

Cool exposed containers with water spray.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

Ensure adequate ventilation.

Keep away from sources of ignition. No smoking.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

Contact local authorities if product pollutes soil or vegetation.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

6.4. Reference to other Sections

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Avoid contact with eyes, skin and clothing.

Protect against heat and direct sunlight.

Hygienic measures:

Keep away from foodstuffs and drinks.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Protect against heat and direct sunlight.

Storage temperature: < 20°C.

Requirements for storage areas and containers:

Open and handle container with care.

Information on fire and explosion protection:

Take measures to prevent static electricity discharge, earth/ground all equipment.

Do not store together with combustible, self-ignitable and flammable products, nor with highly inflammable solids.

Do not store together with: strong oxidants.

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Keep away from sources of ignition - do not smoke.

Storage class:

3 B; combustible liquids (TRGS 510)

Further Information:

Store in a dry place.

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics: TWA 600 mg/m³

Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, <2% aromatics: 250 mg/m³ (TWA)

Xylene (CAS 1330-20-7) TWA: 440 mg/m³, 100 ml/m³ (long-term value); 880 mg/m³, 200 ppm (short-term value)

Parameters to be controlled:

Cobalt [bis(ethylhexanoat)] (CAS 136-52-7): TWA (CH): 0.05 mg/m³ (inhalable fraction)

Xylene (CAS 1330-20-7), TWA (OEL, EU): 221 mg/m³, 50 ppm; STEL (OEL, EU): 442 mg/m³, 100 ppm; 2(II); Can be absorbed by the skin.

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

Personal Protection

General protective measures:

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

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

Hand protection:

Protective gloves (EN 374)

The manufacturer's directions for use should be observed

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	<i>because of the great diversity of types.</i>
	<i>Protective gloves should be changed regularly, especially after intensive contact with the product.</i>
<i>Protective glove material:</i>	<i>Nitrile rubber (> 480 min, 0.11 mm).</i>
<i>Eye protection:</i>	<i>Tightly fitting safety goggles (EN 166).</i>
<i>Body protection:</i>	<i>Protective clothing.</i>
<i>Environmental precautions:</i>	<i>Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.</i>

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>viscous liquid</i>
<i>Color:</i>	<i>amber colored</i>
<i>Odor:</i>	<i>aromatic</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>38°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not determined</i>

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<i>Solubility in water:</i>	<i>practically insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not determined</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not determined</i>
<i>Explosive properties:</i>	<i>Product is not explosive; however, an explosive vapor/air mixture can be formed.</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>not applicable</i>

9.2. Further Information

Solubility in solvents:
Viscosity, kinematic:
Burning class:
Solvent content:
Solid content:
Particle size:
Other information:

10. Stability and Reactivity

10.1. Reactivity	<i>Stable if used according to specifications.</i>
10.2. Chemical Stability	<i>Stable if used according to specifications.</i>
10.3. Possibility of Hazardous Reactions	<i>Vapors in combination with air can form an explosive compound.</i>
10.4. Conditions to Avoid	
<i>Conditions to avoid:</i>	<i>Avoid heat, open fire and other ignition sources.</i>
<i>Thermal decomposition:</i>	<i>No data available.</i>
10.5. Incompatible Materials	<i>Strong oxidizing agents.</i>
10.6. Hazardous Decomposition Products	

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In case of fire: formation of carbon oxides.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 15000 mg/kg (rat)

LD50, dermal:

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 5000 mg/kg (rabbit)

LC50, inhalation:

Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics: > 9300 mg/kg (4h, rat)

Primary effects

Irritant effect on skin:

*Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Non irritating
Xylene: irritating to skin.*

Irritant effect on eyes:

*Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Non-irritating to eyes
Xylene: Causes serious eye irritation.*

Inhalation:

*Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:
Avoid the inhalation of vapors above the recommended exposure level.*

Ingestion:

No information available

Sensitization:

Xylene: non sensitizing (mouse; OECD 429)

Mutagenicity:

Xylene: not mutagenic.

Reproductive toxicity:

Xylene: 868 mg/m³ (rat, inhalative)

Carcinogenicity:

Xylene: 500 mg/kg body weight/day (rat and mouse)

Teratogenicity:

Xylene: NOAEL: 2171 mg/kg (rat, inhalation)

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

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Hydrocarbons, C11-C14, Isoalkanes, <2% Aromatics:

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis.

Xylene:

Aspiration toxicity: may be fatal if swallowed and enters airways.

Skin contact: risk of skin absorption.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Xylene: NOEC: > 1.3 mg/l (56d, Oncorhynchus mykiss)

Daphnia toxicity:

No information available.

Bacteria toxicity:

No data available.

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Hydrocarbons, C11-C12, Isoalkanes, < 2% Aromatics:

Biochemical oxygen demand (BOD): 31.3 % (28d)

Xylene: readily biodegradable.

12.3. Bioaccumulation

Xylene: no bioaccumulation expected.

12.4. Mobility

Hydrocarbons, C11-C12, Isoalkanes, < 2% Aromatics:

Product floats on water, is not very soluble in water. Adsorbs to soil and has low mobility.

Xylene:

Product floats on water and is not soluble in water.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class:

Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

Must not be disposed together with household garbage.

European Waste Code (EWC):

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Uncleaned packaging:

Dispose of according to official local regulations.

Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 1866

14.2. UN Proper Shipping Name

ADR/RID: HARZLÖSUNG, ENTZÜNDBAR; SV 640 D

IMDG/IATA: RESIN SOLUTION, FLAMMABLE; SP 640 D

14.3. Transport Hazard Classes

ADR Class: 3

Hazard no.: 3

Classification code: F1

Tunnel restriction code: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.: F-E, S-E

IATA Class: 3

Hazard no.: 3

14.4. Packaging Group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Warning: Inflammable liquids.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

Special Provision: 640D

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 (German Regulation)

Local regulations on chemical accidents:

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Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

none

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.