

Material Safety Data Sheet

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



75900 Acronal® 500 D

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Revised edition: 09.01.2014

Version: 6.1

Printed: 05.08.2014

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

1.1. Product Identifier

Product Name: Acronal® 500 D

Article No.: 75900

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

Identified uses:

Raw material for industrial purposes.

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet

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.de

EMail: info@kremer-pigmente.de

1.4. Emergency No.

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

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

This product is not classified as hazardous according to the CLP/GHS Directive.

Classification according to EC Regulation No. 67/548 or No. 1999/45

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Composition/Information on Ingredients

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3.

3.1. **Substance**

3.2. **Mixture**

Chemical Characterization: Aqueous dispersion of a thermoplastic Acrylic polymer based on: acrylic-acid ester and vinyl ester.

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. **Description of the First Aid Measures**

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

Remove contaminated clothing. 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:

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.

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

Symptoms:

No further information available.

Effects:

No further information available.

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

Treatment:

No information available.

5. Fire-Fighting Measures

5.1. **Extinguishing Media**

Suitable extinguishing media:

*Foam, carbon dioxide (CO₂), extinguishing powder, water jet.
Product itself does not burn.
Use extinguishing media for surrounding fire.*

Unsuitable extinguishing media:

5.2. **Special Hazards arising from the Substance or Mixture**

Special hazards:

No special hazards.

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5.3. Advice for Firefighters

Protective equipment:

No special measures required.

Further information:

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

Not combustible.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid contact with eyes and skin.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Larger amounts should be pumped into adequate containers. Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.

6.4. Reference to other Sections

Protective clothing, see Section 8.

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

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

Hygienic measures:

No further measures, see Section 8.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Protect from frost.

Requirements for storage areas and containers:

When stored over a longer period of time it is possible that small amounts of carbon monoxide can be formed.

Ventilate containers properly.

Information on fire and explosion protection:

No special measures necessary.

Storage class (VCI):

Further Information:

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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):

none known

Parameters to be controlled (EC):

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:

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:

Not required.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.

Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: white

Odor: weak, characteristic

Odor threshold:

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	<i>No information available.</i>
<i>pH-Value:</i>	3.5 - 4.7 (DIN ISO 976)
<i>Melting temperature:</i>	0°C (H ₂ O)
<i>Boiling temperature:</i>	100°C (H ₂ O)
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</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>	23.4 hPa (20°C)
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	ca. 1.06 g/cm ³ (20°C)
<i>Solubility in water:</i>	<i>partly soluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No decomposition if used according to specifications.</i>
<i>Viscosity, dynamic:</i>	45 - 100 mPa.s (23°C) 15 - 35 mPa.s (23°C, 250 1/s)
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</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:

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Solid content:

49 - 51 %

Particle size:

Other information:

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:

Protect from heat.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 2000 - 10000 mg/kg (rat)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Slight skin irritation possible when product dries on skin.

Irritant effect on eyes:

Non-irritating to eyes (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

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No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No negative effects known.

Cancerogenity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Repeated exposure: no toxicological effects.

Additional toxicological information:

By analogy with a product of similar composition.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

LC50: > 100 mg/l (96h, Brachydanio rerio; OECD 203)

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC20: > 100 mg/l (0.5h, active sludge; OECD 209)

Algae toxicity:

EC50: > 100 mg/l (72h, Scenedesmus subspicatus; OECD 201)

12.2. Persistency and Degradability

Can be eliminated from water by chemical adsorption.

Readily biodegradable (> 70 %, OECD 302B).

12.3. Bioaccumulation

Bioaccumulation is not to be expected.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

The contents of the preparation do not comply with the criteria for the classification as PBT or vPvB.

12.6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

Further ecological effects:

AOX Value:

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No data available.

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):

The waste code is determined according to the code of the European Waste Catalog.

Uncleaned packaging:

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 (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

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

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14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

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

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

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

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.