

Safety Data Sheet

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



67760 Polyvinyl Alcohol (PVA) thin

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Revised edition: 03.06.2014

Version: 1

Printed: 03.03.2017

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

1.1. Product Identifier

Product Name: Polyvinyl Alcohol (PVA) thin

Article No.: 67760

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

Identified uses:

*Industrial application
Additive, adhesive, binder, coatings, protective colloid, dispersion aids, raw material*

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.de

E-Mail: info@kremer-pigmente.de

Importer: --

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 Regulation (EC) No. 1272/2008 (CLP/GHS)

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

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

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

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

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

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Use personal protective equipment as required.

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P402+P404

Store in a closed container in a dry place.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Polyvinyl alcohol, partially saponified (CAS No. 25213-24-5)

Information on Components / Hazardous Ingredients:

Polyvinyl alcohol, partially saponified	> 93%	CAS-Nr: 25213-24-5 EINECS-Nr: EC-Nr:
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Methanol (T,F; R11-39/23/24/25; H225-301-311-331-370); REACH Reg.-No. 05-2119433307-44-xxxx	< 3%	CAS-Nr: 67-56-1 EINECS-Nr: 200-659-6 EC-Nr: 603-001-00-X
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Wash off with plenty of water and soap. Consult a physician if irritation persists.

After eye contact:

*Rinse eyes with water.
Seek medical attention if irritation persists.*

After ingestion:

*Rinse mouth with plenty of water and give plenty of milk or water to drink.
If symptoms persist consult physician.*

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

Symptoms:

*Irritates eyes and skin.
Cough.*

Effects:

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

Treatment:

Symptomatic treatment (decontamination, vital functions), no next page:

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specific antidote known.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Product itself does not burn.

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

Never apply a strong water jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous gases/vapors may be released.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid contact with skin, eyes and clothing. Do not ingest or inhale.

Wear protective clothing.

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:

Sweep up, then place into a suitable container for disposal. Avoid generating dust.

Collect powder using a special dust vacuum cleaner with particle filter and dispose in a adequate resealable container.

Do not use compressed air.

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:

Avoid contact with eyes and skin.

Do not swallow or inhale.

Avoid formation of dust.

Wear adequate protective clothing (see para. 8).

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Hygienic measures:

Wash hands at the end of work. Preventive skin protection recommended.

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:

*Take measures to prevent electrostatic discharge.
Risk of dust explosion.*

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Methanol (67-56-1): 270 mg/m³; 200 ppm; 4(II); Can be absorbed by the skin.

TLV: 3 mg/m³ general dust limit inhalable fraction.

TLV: 10 mg/m³ (8h) inhalable dust (average value)

Category II: substances with a respiratory effect.

BAT (Methanol): 30 mg/g (urine)

Parameters to be controlled:

Methanol: 200 ppm; 270 mg/m³

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

*Use appropriate local exhaust ventilation to control airborne levels.
Provide adequate ventilation.*

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:

Wear protective mask, particle filter P2 or FFP2 or NIOSH N95 (for

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solid and liquid particles, EN 143, 149) if dust occurs.

Hand protection:

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

Protective glove material:

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: granules

Color: whitish, transparent

Odor: odorless

Odor threshold:

No information available.

pH-Value: 4.5 - 7

Melting temperature:

not known

Boiling temperature:

not applicable

Flash point: 93°C (200°F)

Evaporation rate:

not applicable

Flammability (solid, gas):

not available

Upper explosion limit:

not determined

Lower explosion limit:

not determined

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

not available

Solubility in water:

soluble

Coefficient of variation (n-

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Octanol/Water):

no information available

Auto-ignition temperature:

not applicable

Decomposition temperature:

not determined

Viscosity, dynamic:

not determined

Explosive properties:

not applicable

Oxidizing properties:

none

Bulk density:

400 - 600 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further 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

Hazardous polymerisation will not occur.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid dusting near sources of ignition.

Thermal decomposition:

10.5. Incompatible Materials

Strong acids and strong oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon oxides

10.7. Further Information

11. Toxicological Information

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11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Methanol: 1187-2769 mg/kg (rat)

LD50, dermal:

Methanol: 17100 mg/kg (rabbit)

LC50, inhalation:

Methanol: 128200 (4h, rat)

Primary effects

Irritant effect on skin:

Irritant effect possible.

Irritant effect on eyes:

Dust may irritate eyes.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No relevant data found.

Cancerogenity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Repeated exposure: no information available.

Single exposure: no information available.

Additional toxicological information:

Frequent long-term inhalation of dust increases the risk of asthma, pulmonary diseases and skin irritation.

Aspiration hazard: not applicable

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

LC50: 15400 mg/l (96h)

Daphnia toxicity:

EC50: > 10000 mg/l (96h, Daphnia magna)

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Bacteria toxicity:

no information available

Algae toxicity:

EC50: 22000 mg/l (96h)

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12. 6. Other Adverse Effects

Water hazard class:

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

Behaviour in sewage systems:

Further ecological effects:

No ecological problems expected.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

070213 - Waste plastic

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

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:

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not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

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

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

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 (German Regulation)

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 has not been carried out for this product.

15. 3. Further Information

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

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance

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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.