

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 1

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

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

1.1. Product Identifier

Product Name: Paraloid™ B 44

Article No.: 67460

UFI: --

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

Identified uses:
Coatings product

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)

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

Contains Methymethacrylate: can cause allergic reactions.

Composition/Information on Ingredients

next page: 2

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 2

Revised edition: 05.11.2017

Version: 4.2

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3.

3.1. **Substance**

3.2. **Mixture**

Chemical Characterization: Acrylic copolymer

Information on Components / Hazardous Ingredients:

Additional information:

4. First Aid Measures

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

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

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

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

Rinse mouth with water and give plenty of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. **Extinguishing Media**

Suitable extinguishing media:

CO₂, extinguishing powder, water spray.

Unsuitable extinguishing media:

None known.

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

Special hazards:

Product is combustible, it burns vigorously with intense heat development.

next page: 3

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 3

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

5.3. Advice for Firefighters

Protective equipment:

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

Further information:

*Cool exposed containers with water spray.
Do not inhale smoke.*

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Provide adequate ventilation. Keep away from sources of ignition.
Wear appropriate protective equipment. Keep spectators away.
Floor may be slippery; use care to avoid falling.*

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:

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

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:

*Avoid contact with eyes, skin and clothing.
Wear adequate protective clothing (see para. 8).*

Hygienic measures:

*Avoid contact with eyes and skin.
Do not inhale gas/fumes/vapours/aerosols.
Wash hands with soap and water.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store product in a cool, dry and well ventilated area.
Keep container tightly closed*

Requirements for storage areas and containers:

Material is combustible. Indoor storage should be limited to restricted areas, which should be equipped with automatic sprinkling systems.

Information on fire and explosion

next page: 4

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 4

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

protection:

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

Storage class:

Further Information:

Monomer vapors may be evolved when material is heated during processing operations.

Storage temperature: 18 - 49°C

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Does not contain substances with occupational exposure limits.

Parameters to be controlled (DE):

Parameters to be controlled:

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. Facilities storing or utilizing this material should be equipped with an eyewash facility.

Personal Protection

General protective measures:

Respiratory protection:

None required under normal operating conditions.

Respiratory protection with filter type N95 (corresp. to NIOSH resp. DIN standards) recommended for organic vapors. Filter types R95 or R96 recommended for oil mist.

Hand protection:

Gloves made of cotton.

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

next page: 5

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 5

Revised edition: 05.11.2017

Version: 4.2

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9. 1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>granules</i>
<i>Color:</i>	<i>colorless</i>
<i>Odor:</i>	<i>acrylic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</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>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	
<i>Solubility in water:</i>	<i>practically insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>

next page: 6

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 6

Revised edition: 05.11.2017

Version: 4.2

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Bulk density: 0.66 mg/cm³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Percent volatility: 1 % maximum

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

None known.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.

10.7. Further Information

Product does not polymerize.

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)

LD50, dermal: > 3000 mg/kg (rabbit)

LC50, inhalation: 2152.86 mg/l

Primary effects

Irritant effect on skin:

Slight irritant effect.

Irritant effect on eyes:

Slight irritant effect

next page: 7

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 7

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

Product can cause a slight injury of the cornea.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Repeated exposure: no information available.

Single exposure: no information available.

Aspiration hazard

11.2. Information on other Hazards

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

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

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

12.6. Endocrine Disrupting Properties

12.7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

next page: 8

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 8

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to an incineration plant.

European Waste Code (EWC):

The waste code is determined according to the kind of waste and industry stated in the European Waste Catalogue.

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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

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:

next page: 9

Safety Data Sheet

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



67460 Paraloid™ B 44

Page 9

Revised edition: 05.11.2017

Version: 4.2

Printed: 08.02.2023

IATA:

14. 5. Environmental Hazards

Not classified as environmentally hazardous.

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 (German Regulation, self-assessment)

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

REACH: This mixture contains exclusively components which have been either pre-registered, are exempted from registration or must not be registered according to EC Regulation 1907/2006 (REACH).

Listed in the following inventories:

EINECS (EU), TSCA (US), AICS (AUS), DSL (CA), ENCS (JP), KECI (KR), PICCS (PH), IECSC (CN)

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.