

Safety-related information for products

1. Identification

Product identifier: PLEXIGLAS® - Sheets/Rods/Tubes

Other means of identification

Recommended use: Construction product light advertising furniture trade-fair booth design displays decoration Industrial Use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Röhm GmbH
 Product Stewardship
 Deutsche-Telekom-Allee 9
 64295 Darmstadt

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Manufacturer

Emergency telephone number:

24-Hour Health Emergency : +49 6241 402 5280 (24h)

2. Hazard(s) identification

According to Hazardous Products Regulations
 Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements Not a hazardous substance or mixture.

Other hazards: None known.

3. Composition/information on ingredients

Mixtures

acrylic polymer

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
acrylic copolymer, Polymer	acrylic polymer		100%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

- General information:** No special precautions.
- Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
- Skin Contact:** No specific treatment is necessary since this material is not likely to be hazardous.
- Eye contact:** If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)
- Ingestion:** Ingestion is not considered a potential route of exposure.
- Personal Protection for First-aid Responders:** Wear self-contained breathing apparatus.

Most important symptoms/effects, acute and delayed

- Symptoms:** None known.
- Hazards:** No data available.

Indication of immediate medical attention and special treatment needed

- Treatment:** No

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media:** Water spray. foam Dry chemical. Carbon dioxide
- Unsuitable extinguishing media:** High volume water jet

- Specific hazards arising from the chemical:** In case of fire partly flammable, partly harmful vapours, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition.

Special protective equipment and precautions for firefighters

- Special fire fighting procedures:** No data available.
- Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Wear protective gloves and eye protectors.
Methods and material for containment and cleaning up:	Take up mechanically. Dispose of in accordance with regulations.
Environmental Precautions:	Do not release into the environment. Collect and dispose of unused residues.

7. Handling and storage

Precautions for safe handling:	Avoid dust formation. During thermal processing and/or machining local exhaust ventilation at processing machines is necessary. Take action to prevent static discharges. In the event of fire, cool the endangered product with water.
Conditions for safe storage, including any incompatibilities:	Storage: dry.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.
 Observe national threshold limit values.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

For monitoring procedures refer for instance to "Empfohlene Analysenverfahren für Arbeitsplatzmessungen", Schriftenreihe der Bundesanstalt für Arbeitsschutz and "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

Individual protection measures, such as personal protective equipment

General information:	No data available.
Eye/face protection:	goggles for machining operations
Skin Protection	
Hand Protection:	Material: protective gloves against mechanical risks according to EN 388 Additional Information: For each work-place a suitable glove type has to be selected.
Other:	No data available.
Respiratory Protection:	If used in accordance with the regulations: No particular protective equipment required. dust mask may be required for machining operations
Hygiene measures:	Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

9. Physical and chemical properties

Appearance

Physical state:	solid
Form:	Sheet
Color:	Various
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	approx. 100 °C (Softening Temperature)
Boiling Point:	Not applicable
Flash Point:	> 250 °C (ASTM D 1929-68)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	Not applicable
Flammability Limit - Lower (%):	Not applicable
Vapor pressure:	Not applicable
Relative vapor density:	Not applicable
Density:	approx. 1,20 g/cm ³ (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
Partition coefficient (n-octanol/water):	Not applicable
Autoignition Temperature:	No data available.
Decomposition Temperature:	This material is considered stable under specified conditions of storage, shipment and/or use.
Kinematic viscosity:	Not applicable
Dynamic viscosity:	Not applicable
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Other information	
Bulk density:	
Dust Explosion Limit, Upper:	Not applicable
Dust Explosion Limit, Lower:	Not applicable
Minimum ignition temperature:	> 400 °C (ASTM D 1929-68)
Self Ignition Temperature:	No data available.

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions"
Chemical Stability:	This material is considered stable under specified conditions of storage, shipment and/or use.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	High temperature. Depolymerization begins at 250 °C

Incompatible Materials:	None reasonably foreseeable.
Hazardous Decomposition Products:	No hazardous decomposition products known.

11. Toxicological information

General information: The substance is practically not bioavailable (structure-activity-relationships) (analogy)

Information on likely routes of exposure

Inhalation:	Relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No specific symptoms noted.
Skin Contact:	No specific symptoms noted.
Eye contact:	No specific symptoms noted.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Dermal	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Inhalation	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Repeated dose toxicity
Product: No data available.

Skin Corrosion/Irritation

Product	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Serious Eye Damage/Eye Irritation	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Respiratory or Skin Sensitization	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Carcinogenicity	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Germ Cell Mutagenicity	
In vitro	
Product:	Not classified
In vivo	
Product:	Not classified
Reproductive toxicity	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Specific Target Organ Toxicity - Single Exposure	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Specific Target Organ Toxicity - Repeated Exposure	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Aspiration Hazard	
Product:	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Other effects:	The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Carefully avoid skin and eye contact and inhalation of product dust/aerosols.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: no specific test data available no evidence for hazardous properties

(structure-activity-relationships) (analogy)

Aquatic Invertebrates

Product: no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Chronic hazards to the aquatic environment:

Fish

Product: No data on possible environmental effects have been found.

Aquatic Invertebrates

Product: No test results available. No indications of critical properties in analogy to similar products or on the basis of structure-activity relationships.

Toxicity to Aquatic Plants

Product: No test results available. no evidence for hazardous properties (structure-activity-relationships) (analogy)

Persistence and Degradability

Biodegradation

Product: no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: Not applicable

Mobility in soil:

no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Other adverse effects:

No ecotoxicological data is available for this product. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption. Prevent substance from entering soil, natural bodies of water and sewer systems.

13. Disposal considerations

General information:

Dispose of waste and residues in accordance with local authority requirements.

Disposal methods:

Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

Contaminated Packaging:

Uncontaminated packaging may be taken for recycling.

14. Transport information

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

16. Other information, including date of preparation or last revision

Issue Date:	18.01.2021
Version #:	2.0
Source of information:	relevant manuals and publications own examinations own toxicological and ecotoxicological studies toxicological and ecotoxicological studies of other manufacturers SIAR OECD-SIDS RTK public files
Further Information:	none
Revision Information:	Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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