

Safety-related information for products

1. Identification

Product identifier:	General Grade Acrylic Sheet
Other means of identification	None.
Recommended use:	Not available.
Recommended restrictions:	Not known.
Manufacturer/Importer/Distributor Information	
CompanyName	: Roehm America LLC 299 Jefferson Road Parsippany, NJ 07054 USA
Telephone	: +1 800-225-0172
E-mail	: product-regulatory-services@roehm.com
Emergency telephone number: 24-Hour Health Emergency	: +1 800 424 9300 (CHEMTREC - US & CANADA) +1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification Not classified

Label Elements

Hazard Symbol: No symbol
Signal Word: No signal word.
Hazard Statement: Not applicable
Precautionary Statements

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

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Mixtures

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

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

Composition Comments: The components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

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: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms: mechanical irritation

Hazards: None known.

Indication of immediate medical attention and special treatment needed

Treatment: No

5. Fire-fighting measures

General Fire Hazards: Use water spray to cool containers exposed to fire.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, foam Dry chemical, Carbon dioxide

Unsuitable extinguishing media: High volume water jet

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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: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear protective gloves and eye protectors.

Accidental release measures: For personal protection see section 8. Avoid release to the environment.

Methods and material for containment and cleaning up: Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.

Environmental Precautions: Do not release into the environment. Collect and dispose of unused residues.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): If use operations generate dust, use adequate ventilation.

Safe handling advice: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product. 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. During thermoplastic processing, vapours of the decomposition products referred to in section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values).

Contact avoidance measures: No data available.

Hygiene measures: Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

Storage

Safe storage conditions: Storage: dry.

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls If use operations generate dust, use adequate ventilation.

Individual protection measures, such as personal protective equipment

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. Additional Information: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Gloves should be replaced regularly, especially after extended contact with the product., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and Body Protection: No data available.

Respiratory Protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
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:	different, depending on grade
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	approx. 100 °C (Softening Temperature) approx. 210 °F
Boiling Point:	Not applicable
Flash Point:	> 250 °C > 480 °F
Evaporation Rate:	Not applicable
Flammability (solid, gas):	No data available.
Explosive limit - upper:	Not applicable

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Explosive limit - lower:	Not applicable
Vapor pressure:	Not applicable
Vapor density (air=1):	Not applicable
Density:	No data available.
Relative density:	No data available.
Solubility in Water:	Insoluble
Solubility (other):	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
Partition coefficient (n-octanol/water):	Not applicable
Self Ignition Temperature:	> 400 °C > 750 °F
Decomposition Temperature:	This material is considered stable under specified conditions of storage, shipment and/or use. Depolymerization begins at 250 °C / 482 °F.
Kinematic viscosity:	Not applicable
Dynamic viscosity:	Not applicable
Other information	
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Minimum 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. Depolymerization begins at 250 °C / 482 °F.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	High temperature
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

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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
Dermal	
Product:	no specific test data available
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)

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

acrylic copolymer, Polymer Not classified

In vivo

Product: No data available.

Components:

acrylic copolymer, Polymer 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:

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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 data available.

Components:

acrylic copolymer,
Polymer

No data available.

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 must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

Contaminated Packaging:

Uncontaminated packaging may be taken for recycling.

14. Transport information

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Domestic regulation

49 CFR

Not regulated as a dangerous good

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

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

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US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

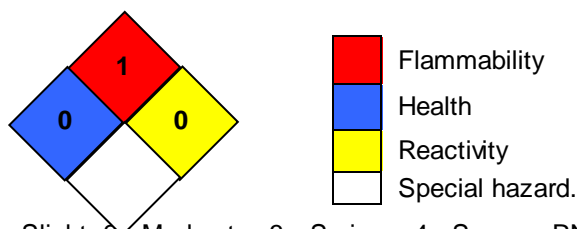
16. Other information, including date of preparation or last revision

HMIS Hazard ID

Health	0
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

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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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