

ACRYLITE Acrylic



ACRYLITE Cast and Extruded Acrylic

1. Product details

Product identifier:	ACRYLITE® - Sheets/Rods/Tubes
Recommended use:	Not available
Restrictions on use:	Not known

2. Hazards identification

Hazard classification: Not classified

Label elements

Hazard symbol:	No symbol
Signal word:	No signal words
Hazard statement:	Not applicable

3. Composition/information on ingredients

Chemical identity	100% Acrylic copolymer, Polymer
	The exact concentration has been withheld as a trade secret.

4. 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	
Symptoms:	None known
Hazards:	No data available



5. Fire-fighting measures

General fire hazards:	Use water spray to cool containers exposed to fire.
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 vapors, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition.
Special fire-fighting procedures:	No data available.

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:	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 measure (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.
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



8. Exposure controls

Control parameters	
Occupational exposure limits:	None of the components have assigned exposure limits.
Appropriate engineering controls:	If use operations generate dust, use adequate ventilation.
Eye/face protection:	Goggles for machining operations.
Hand protection:	Material: protective gloves against mechanical risks according to EN 388. Additional Information: For each work place a suitable glove type must be selected.
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:	Colorless
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 (ASTM D 1929-68) > 480 °F (ASTM D 1929-68)
Evaporation rate:	Not applicable
Flammability (solid, gas):	No data available
Explosive limit – upper (%):	Not applicable
Explosive limit – lower (%):	Not applicable
Vapor pressure:	Not applicable
Vapor density (air=1):	Not applicable
Density:	Approx. 1.20 g/cm ³ (20 °C) (68 °F)
Relative density:	No data available
Solubility in water:	Insoluble
Solubility (other):	In e.g. esters, ketones and chlorinated hydrocarbons: readily soluble, no data available
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.

ACRYLITE Acrylic



Kinematic viscosity:	Not applicable
Dynamic viscosity:	Not applicable
Explosive properties:	No data available
Oxidizing properties:	No data available
Minimum ignition temperature:	No data available

10. Stability and reactivity

Reactivity:	No data available
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	
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.

ACRYLITE Acrylic



Information on toxicological effects

Acute toxicity

Oral:	No specific test data available.
Dermal:	No specific test data available.
Inhalation:	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/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:

U.S. National Toxicology Program (NTP) Report on Carcinogens:

U.S. OSHA Specifically Regulated Substances (29 CFT 1910.1001-1050), as amended:

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

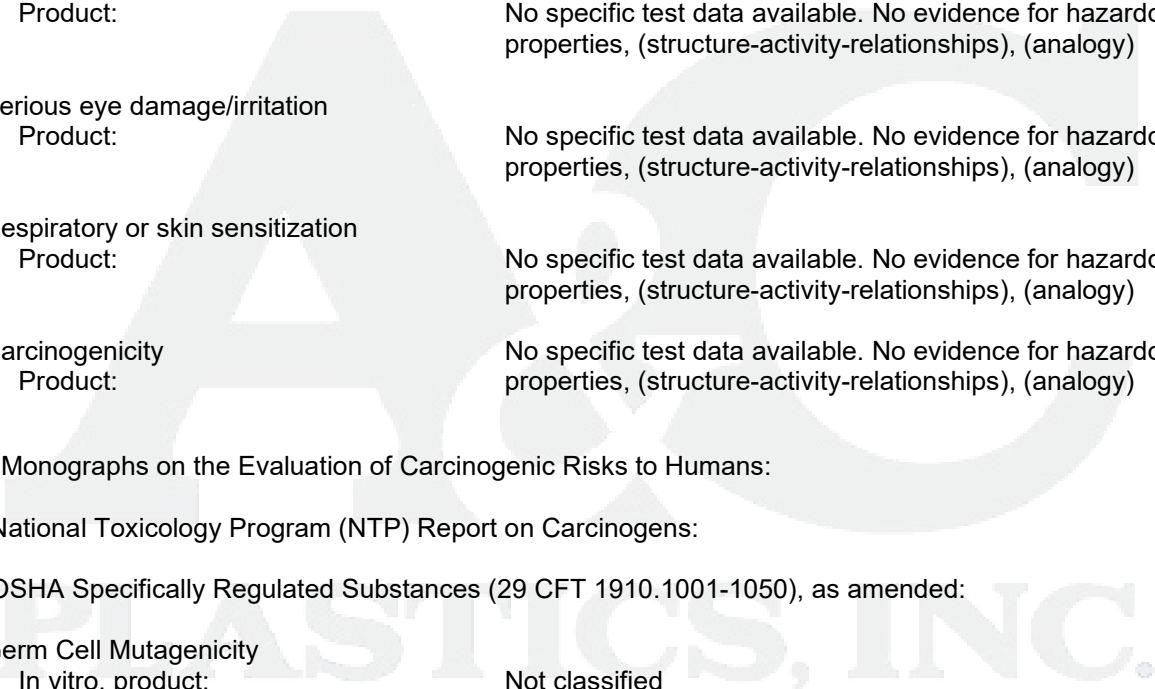
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Specific Target Organ Toxicity – Repeated Exposure

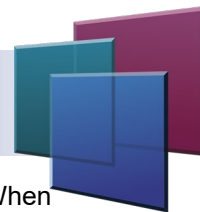
no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Aspiration Hazard:

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



ACRYLITE Acrylic



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

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

Chronic hazards to the aquatic environment:

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

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

Persistence and Degradability

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

BOD/COD Ratio: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF): No specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

Partition Coefficient n-octanol / water (log Kow): Log know: 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

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

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

None present or none present in regulated quantities.

US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)

US. PA 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.

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

HMIS Hazard ID

Health	0
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	
	A

A - Safety Glasses

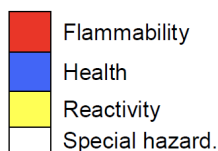
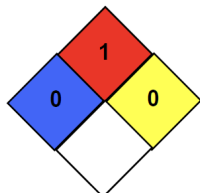
Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe;

RNP – Rating not possible; *Chronic health effect

ACRYLITE Acrylic



NFPA Hazard ID



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

Possible

Issue Date: 02/18/2020

Version #: 1.1

Further Information: None

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Disclaimer: This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall A&C Plastics assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. A&C PLASTICS EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF A&C PLASTICS IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. A&C Plastics reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.