

Safety-related information for products

1. Identification

Product identifier:	ACRYLITE® Reflections Mirror
Other means of identification	None.
Recommended use:	Fabrication of commercial and consumer mirror products
Recommended restrictions:	None 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

Mixtures

Composition Comments: No hazardous ingredients.

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. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
Skin Contact:	In case of contact with skin wash off immediately with plenty of water
Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.
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
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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 powder or 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. No information available.

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:	Use personal protective equipment.
Methods and material for containment and cleaning up:	Sweep up or vacuum up spillage and collect in suitable container for disposal.
Environmental Precautions:	Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, rivers, groundwater or soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	In case of thermal processing, provide for extraction of the vapours or 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:	Store in cool, dry place.
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	In case of thermal processing, provide for extraction of the vapours or adequate ventilation.
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Individual protection measures, such as personal protective equipment

Eye/face protection:	goggles for machining operations
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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.
Skin and Body Protection:	No special protective equipment required.
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:	Silver, Opaque
Odor:	Odorless
Odor Threshold:	Not applicable
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):	Not applicable
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):	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.
Kinematic viscosity:	Not applicable
Dynamic viscosity:	Not applicable (solid)
Other information	
Bulk density:	
Explosive properties:	Not to be expected in view of the structure
Oxidizing properties:	not oxidizing

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 reaction known under conditions of normal use.
Conditions to avoid:	High temperature
Incompatible Materials:	None reasonably foreseeable.
Hazardous Decomposition Products:	Stable under normal conditions. Product will not undergo hazardous polymerization.

11. Toxicological information

General information: No toxicological tests have been conducted with the product itself.

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: Based on available data, the classification criteria are not met. Not classified for acute toxicity based on available data.

Dermal

Product: Based on available data, the classification criteria are not met. Not classified for acute toxicity based on available data.

Inhalation

Product: Based on available data, the classification criteria are not met.

Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: Oral No negative effects.
Inhalativ No irreversible changes and no indication of silicosis.

Skin Corrosion/Irritation

Product: Not classified

Serious Eye Damage/Eye Irritation

Product: Not Classified

Respiratory or Skin Sensitization

Product: Not Classified

Carcinogenicity

Product: no evidence for hazardous properties No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

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: Not classified

In vivo
Product: Not classified

Reproductive toxicity

Product: no evidence of reproductiontoxic properties

Specific Target Organ Toxicity - Single Exposure

Product: no evidence for hazardous properties

Specific Target Organ Toxicity - Repeated Exposure

Product: no evidence for hazardous properties

Aspiration Hazard

Product: Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

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 data is available on the product itself.

Aquatic Invertebrates

Product: No data is available on the product itself.

Chronic hazards to the aquatic environment:

Fish

Product: No data is available on the product itself.

Aquatic Invertebrates

Product: No data is available on the product itself.

Toxicity to Aquatic Plants

Product: No data is available on the product itself.

Persistence and Degradability

Biodegradation

Product: no specific test data available

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: no specific test data available

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: Not applicable

Mobility in soil: No data available.

Other adverse effects: No ecotoxicological data is available for this product. 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

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

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. 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



WARNING: This product can expose you to chemicals including, N-methylpyrrolidinone which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

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

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

US. Massachusetts RTK - Substance List

No ingredient regulated by PA 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.

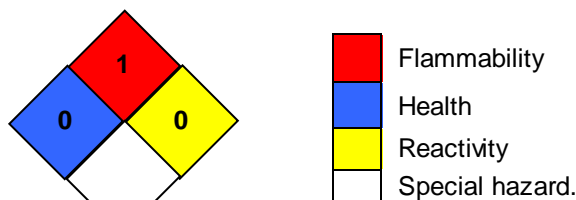
16. Other information, including date of preparation or last revision

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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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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