

## Safety-related information for products

### 1. Identification

**Product identifier:** ACRYLITE® Optical - Sheet

**Other means of identification** None.

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

#### Manufacturer/Importer/Distributor Information

**Company Name** : POLVYANTIS Sanford LLC  
1796 Main St  
Sanford, ME 04073  
USA

**Telephone** : +1-207-490-4230

**E-mail** : AP-sds-info@polyvantis.org

**Emergency telephone number:**  
24-Hour Health Emergency : +1-800-255-3924 (24 h)

### 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**

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

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

**4. First-aid measures****Description of necessary first-aid measures**

<b>General information:</b>	No special precautions.
<b>Inhalation:</b>	No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
<b>Skin Contact:</b>	No specific treatment is necessary since this material is not likely to be hazardous.
<b>Eye contact:</b>	If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)
<b>Ingestion:</b>	Ingestion is not considered a potential route of exposure.
<b>Personal Protection for First-aid Responders:</b>	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:** None known.

**Hazards:** No data available.

**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

**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.

**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.

**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.

**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**

<b>Physical state:</b>	solid
<b>Form:</b>	Sheet
<b>Color:</b>	Various
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting Point:</b>	approx. 100 °C (Softening Temperature) approx. 210 °F
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	> 250 °C (ASTM D 1929-68) > 480 °F (ASTM D 1929-68)
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive limit - upper:</b>	Not applicable
<b>Explosive limit - lower:</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Vapor density (air=1):</b>	Not applicable
<b>Density:</b>	approx. 1.20 g/cm <sup>3</sup> (20 °C) (68 °F)
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
<b>Partition coefficient (n-octanol/water):</b>	Not applicable

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<b>Self Ignition Temperature:</b>	> 400 °C > 750 °F
<b>Decomposition Temperature:</b>	This material is considered stable under specified conditions of storage, shipment and/or use. Depolymerization begins at 250 °C / 482 °F.
<b>Kinematic viscosity:</b>	Not applicable
<b>Dynamic viscosity:</b>	Not applicable
<b>Other information</b>	
<b>Bulk density:</b>	
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>Minimum ignition temperature:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	This material is considered stable under specified conditions of storage, shipment and/or use. Depolymerization begins at 250 °C / 482 °F.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Conditions to avoid:</b>	High temperature
<b>Incompatible Materials:</b>	None reasonably foreseeable.
<b>Hazardous Decomposition Products:</b>	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

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

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No specific symptoms noted.
<b>Skin Contact:</b>	No specific symptoms noted.
<b>Eye contact:</b>	No specific symptoms noted.
<b>Ingestion:</b>	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:** 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 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**

**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.

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.

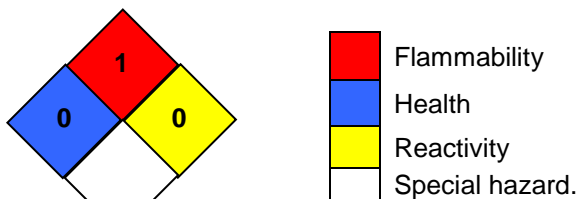
**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>	0	A - Safety Glasses
<b>Flammability</b>	1	
<b>Physical Hazards</b>	0	
<b>PERSONAL PROTECTION</b>		<b>A</b>

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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