

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name/Description: Permaglow
Company: Nova Polymers, Inc.
8 Evans St., Fairfield, NJ 07007
Telephone: 1-888-486-6682
Emergency Phone Number: ChemTel – 1-800-255-3924

Section 2: Hazard Identification



WARNING

Eye, skin, and respiratory tract irritant.

Emergency Overview: WARNING; MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION

Hazard Statement(s):

H228 Flammable Solid
H242 Heating may cause fire
H305 May be harmful if swallowed
H313 May be harmful in contact with skin
H317 May cause an allergic skin irritation
H320 May cause eye irritation
H333 May be harmful if inhaled
H335 May cause respiratory irritation

Precautionary Statement(s):

P235 Keep cool
P264 Wash thoroughly after handling
P281 Use PPE as required
P285 In case of inadequate ventilation wear respiratory protection
P410 Protect from sunlight

Potential health effects

Primary routes of exposure: inhalation of or eye contact with vapors, skin contact, eye contact with material, ingestion of material.

Effects of acute overexposure:

Eyes: Can cause severe irritation, redness, tearing, and blurred vision.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, burns, and dermatitis. Absorption through the skin is possible.

Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, and difficulty in breathing. Central nervous system effects including dizziness, weakness, fatigue, nausea, and headache. Asthmatic and bronchial conditions may be aggravated.

Swallowing: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. However, to produce these effects would require ingesting several pounds of product.

Effects of Chronic Overexposure:

No known effects in the absence of animal studies.

Carcinogen Status:

Not listed (NTP, IARC, EPA) as a known carcinogen.

Section 3: Composition/Information on Hazardous Ingredients

Common Name	C.A.S. No.	%	PEL	TLV	Notes
Methacrylic Acid	79-41-4	<.015%		20 mg/m ³	(1)
Methanol	67-56-1	<.2%	260 mg/m ³	260 mg/m ³	(2)
Other Active Ingredients		>99%			(3)

Notes:

(1) PEL not established for this material.

(2) ACGIH/OSHA Short-Term Exposure Limit (STEL) for methanol is 250 ppm, 328 mg/m³.

NIOSH recommends a Short-Term Exposure Limit of 250 ppm, 328 mg/m³.

(3) The "other active" ingredients are not classified as hazardous and are considered "Trade Secret." Information concerning "other active" ingredients can be accessed by notifying company directly.

Section 4: First Aid Measures

Signs/Symptoms of Exposure: Dizziness, headache, skin/respiratory irritation.

If on skin: Thoroughly wash with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

If swallowed: DO NOT INDUCE VOMITING. Keep person warm, quiet, and get medical attention. Aspiration of material into the lungs due to vomiting may cause chemical pneumonitis which can be fatal.

If breathed: If affected, remove individual to fresh air. If breathing is labored or difficult, administer oxygen. If breathing has stopped provide artificial respiration. Keep individual warm, quiet, and get medical attention.

Carcinogen Status: Not listed (NTP, IARC, EPA) as a known carcinogen.

Section 5: Fire-Fighting Measures

Flash point: N/A

Flammable limits: N/A

Extinguishing Media: Regular Foam or Water Fog or CO₂ or Dry Chemical

Hazards during fire-fighting: May form toxic substances: Carbon monoxide, nitrogen oxide and/or chlorine compounds.

Protective equipment for fire-fighting: Wear self-contained breathing apparatus with full face-piece operated in the positive pressure demand mode when fighting fires as well as full cover impervious clothing

Section 6: Accidental Release Measures

Steps to be taken in the event material is released or spilled: Material is solid and cannot be "spilled." In case of transport damage to packaging, material, or container, material to be salvaged must not have been exposed to U/V light or the product is unusable.

Section 7: Handling and Storage

Store below 100°F in a dry area. Do not store near heat sources. Material is light sensitive. Do not open package until ready to use. Handle in U/V protected light only. Must be stored flat. Avoid skin contact with material during processing. When handling plates during processing, gloves are necessary to avoid contact with the wash solution. Empty containers may contain hazardous product residues, both liquid and vapor. Avoid skin contact and breathing vapors.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: If workplace exposure limit (s) of product or any component is exceeded () a NIOSH/MSHA respirator (negative pressure type) should be donned under specified conditions. An organic vapor respirator should be used for protection if exposures are excessive during processing, or handling of the product.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV (s).

Protective Gloves: Wear rubber or vinyl gloves.

Eye Protection: Safety glasses with side shields or appropriate goggles are recommended.

Other Protective Equipment: Normal work clothing covering arms and legs for work with the product. Use of long-sleeved shirts, buttoned to fit loosely at the neck and wrist, long pants, and good personal hygiene will maximize comfort and protection where excessive handling is conducted. Barrier creams may also be used to fill up pores in the skin to prevent irritation and itching when the skinned is scratched or rubbed.

Section 9: Physical and Chemical Properties

Boiling Point: N/A

Melting Point: 110°C

Vapor Pressure: Solid at room temperature

Vapor Density: (air=1) N/A

Specific Gravity: (H₂O=1) 1.2 (68F)

Solubility in water: 10%

Appearance and Odor: Light brown, solid resin. Slightly sweet odor.

Section 10: Stability and Reactivity

Hazardous Polymerization: Will not occur

Stability: Product is stable.

Incompatibility: Avoid contact with: H₂O and light (photo) and other oxidizing agents.

Section 11: Toxicological Information

Acute Toxicity

Ingestion: Single dose oral LD₅₀ has not been determined.

Typical for this type of material. Estimated LD₅₀, Mouse - 3.5 g/kg

Skin Absorption

The dermal LD₅₀ has not been determined.

Typical for this type of material. Estimated LD₅₀, Rabbit >2,000 mg/kg

Inhalation

The LC₅₀ has not been determined.

Repeated Dose Toxicity

Ingredients are encapsulated in the product and are not expected to be released under normal use conditions.

Carcinogenicity: Not listed (NTP, IARC, EPA) as a known carcinogen.

Reproductive Toxicity: Not a reproductive toxicant.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, pneumonitis.

Section 12: Ecological Information

Movement/Partitioning: In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

Persistence/Degradability: This solid is expected to be inert in the environment. Surface photodegradation is expected with prolonged exposure to sunlight. No appreciable biodegradation is expected.

Ecotoxicity: Not expected to be acutely toxic but material may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

Section 13: Disposal Considerations

Observe all federal, state, and local environmental regulations. Processed plates may be treated as scrap.

Section 14: Transport Information

IMDG/IMO: Not regulated

RID: Not regulated

ADR: Not regulated

ICAO: Not regulated

IATA: Not regulated

DOT: Not regulated

TDG: Not regulated

MEX: Not regulated

Section 15: Regulatory Information

SARA 311/312 Hazardous Categorization

This product does contain an ingredient (methanol) that is subject to SARA 311/312 reporting requirements.

SARA 313

A component of this product (methanol) is subject to the reporting requirements of SARA 313.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does contain an ingredient (methanol) that is a Hazardous Air Pollutant (HAP).

Section 16: Other Information

HMIS III rating:

Health: 1 Flammability: 3 Reactivity: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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