

# Safety Data Sheet

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## SECTION 1: IDENTIFICATION

**Product Identifier Used on Label:** Acrylic Polyurethane Clear Satin

**Synonyms:** 9430

**Details of the Manufacturer:**

Hirshfield's Paint Manufacturing  
4450 Lyndale Avenue North  
Minneapolis, MN 55412  
612-522-6621

**Emergency Contact:** INFOTRAC 1-800-535-5053

**Recommended Use:** Apply to recommended surfaces following product instructions presented on the label.

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## SECTION 2: HAZARD IDENTIFICATION

This material is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR1910.1200.

**Classification of the mixture:**

**Serious eye damage/eye irritation:** Category 2A

**Respiratory or skin sensitization:** Category 1

**Specific target organ toxicity single exposure:** 3

**GHS label elements:**

**Pictograms**



**Signal word:**

Warning

**Hazard statements:**

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

**Precautionary statements:**

**Prevention:** Wash hands thoroughly after handling. Wear eye protection/face protection. Avoid breathing spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. IF ON SKIN: wash with soap and plenty of water. If skin irritation or rash occurs: get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

Percentage of mixture consisting of ingredient(s) of unknown acute toxicity: 0.9%.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name & Synonym	CAS Number	Content (W/W)
Polyurethane dispersion	Mixture	34.4%
Glycol ether EB (2-butoxyethanol, Ethylene glycol monobutyl ether)	111-76-2	1.3%
Triethylamine	121-44-8	0.7%
Ultraviolet light absorber	Mixture	0.4%
Preservative	Mixture	0.2%
All other ingredients are below their cut-off levels		

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## SECTION 4: FIRST-AID MEASURES

### Description of first-aid measures

**If inhaled:** move person to fresh air.

**If on skin:** wash with soap and plenty of water.

**If in eyes:** rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: Get medical advice.

**If swallowed:** rinse mouth. Seek medical attention.

**Most important symptoms/effects, both acute and delayed:** eye irritation and/or allergic skin reaction. Additional important symptoms and effects are described in Section 11: Toxicology Information.

### Indication of immediate medical attention and special treatment needed when necessary:

**Notes to physician:** no further relevant information available.

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## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water spray jet, extinguishing powder, CO<sub>2</sub>, foam.

### Specific hazards arising from the mixture:

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, nitrogen oxides (NO<sub>x</sub>), sulphur dioxide (SO<sub>2</sub>).

### Special protective actions for fire-fighters

**Protective equipment:** Wear protective clothing and self-contained respiratory protective device (SCBA).

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear protective clothing including safety glasses/eye shields. Keep unprotected people away.

**Environmental precautions:** Contain all spills. Keep out of sewer, streams, lakes, and other groundwaters.

**Methods and material for containment and cleaning up:** Contain all spills. Solidify with absorbent materials such as diatomaceous earth, clay, or vermiculite. Collect into suitable containers and dispose of properly. See Section 13: Disposal considerations.

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## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Use appropriate personal protective equipment. See Section 8: Exposure controls/personal protection. If contacted on skin, wash affected area.

**Conditions for safe storage:** Keep container tightly closed when not in use. Keep from freezing. Store upright in original container protected from sunlight. Store locked up.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** Exposure limit data for the product is not available.

**Control parameters for components:**

Component	CAS #	Type	Value	Regulation
Triethylamine	121-44-8	TWA	1 ppm skin	ACGIH TLV
Triethylamine	121-44-8	STEL	3 ppm	ACGIH TLV
Triethylamine	121-44-8	PEL	25 ppm TWA	OSHA PEL
Triethylamine	121-44-8	PEL	100 mg/m <sup>3</sup> TWA	OSHA PEL

**Appropriate engineering controls:** Use local exhaust ventilation when product is used in a confined area to keep worker exposure below regulatory limits.

**Individual protection measures:**

**Eye/face protection:** Wear safety glasses with side shields.

**Skin protection:** When prolonged or frequent repeated contact could occur, use protective clothing chemically resistant to this material.

**Hand protection:** Use gloves chemically resistant to the product when prolonged or frequent repeated contact could occur. Examples of preferred glove materials include: Natural rubber (“latex”), neoprene, nitrile/butadiene rubber (“nitrile” or “NBR”), polyethylene, polyvinyl chloride (“PVC” or “vinyl”). The selection of a

specific glove should also take into account other work to be performed with the glove, potential body reactions to glove material, and specifications/instructions by the glove manufacturer.

**Respiratory protection:** If local exhaust or other engineering controls are not used, use a properly fitted NIOSH approved mask.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Upper/lower flammability or explosive limits	no data available
Odor	Slight solvent
Odor threshold	no data available
pH	9.0
Melting point/freezing point	0 °C (32 °F) water
Initial boiling point and boiling range	100 °C (212 °F) water
Flash point	>93° C
Evaporation rate (butyl acetate=1)	<1.00, water
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	1.0
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	85 KU

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## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Not reactive under recommended conditions of storage and handling.

### Chemical stability

Stable under normal ambient temperature and conditions while in storage and being handled.

**Possibility of hazardous reactions:** None known. Product will not undergo hazardous polymerization.

**Conditions to avoid:** Excessive heat which may cause the closed container to rupture.

**Incompatible materials:** There are no known materials that are incompatible with this product.

**Hazardous decomposition materials:** Thermal decomposition may yield monomers, carbon monoxide, carbon dioxide, nitrogen oxides (NO<sub>x</sub>), and sulphur dioxide (SO<sub>2</sub>).

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

*Toxicological information on the components of this product appears in this section when such data is available.*

**Acute toxicity:** No data available. Based on ingredients and their concentrations in the product, the product is not classified as acutely toxic.

**Skin corrosion/irritation:** No data available. Based on ingredients and their concentrations in the product, the product is not classified for skin corrosion/irritation.

**Serious eye damage/irritation:** No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 2A: causes serious eye irritation.

**Respiratory or skin sensitization:** No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 1: may cause an allergic skin reaction.

**Germ cell mutagenicity:** No data available. Based on ingredients and their concentrations in the product, the product is not classified for germ cell mutagenicity.

**Carcinogenicity:** No data available. Based on ingredients and their concentrations in the product, the product is not classified for carcinogenicity.

**Reproductive toxicity:** No data available. Based on ingredients and their concentrations in the product, the product is not classified for reproductive toxicity.

**Specific Target Organ Toxicity (STOT)-single exposure:** No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 3: may cause respiratory irritation.

**Specific Target Organ Toxicity (STOT)-repeated exposure:** No data available. Based on ingredients and their concentrations in the product, the product not classified for specific target organ toxicity (STOT)-repeated exposure.

**Aspiration hazard:** No data available. Based on ingredients and their concentrations in the product, and the viscosity of the product, the product is not classified as an aspiration hazard.

### **Likely routes of exposure and effects of that exposure**

**Inhalation:** No data available. Based on ingredients and their concentrations in the product, the product may cause respiratory irritation.

**Ingestion:** No data available.

**Skin contact:** No data available. Based on ingredients and their concentrations in the product, the product may cause an allergic reaction.

**Eye contact:** No data available. Based on ingredients and their concentrations in the product, the product causes serious eye irritation.

**Additional information:** No data are available for this material. The information shown is based on the profiles of the ingredients and their concentrations in the product.

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## **SECTION 12: ECOLOGICAL INFORMATION**

*Ecotoxicological information on this product or its components appears in this section when such data is available.*

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal methods:** DO NOT DUMP IN ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State, and local laws and regulations. Wear proper protective equipment. See Section 8: Exposure controls/personal protection.

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## **SECTION 14: TRANSPORT INFORMATION**

**DOT Classification:** Not classified

**UN proper shipping name:** Not regulated

**UN Code:** Not regulated.

**UN Transport hazard class:** Not classified

**Packing group number:** Not regulated

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**SECTION 15: REGULATORY INFORMATION**

**OSHA Hazard Communication Standard:** This product is considered-hazardous under OSHA Hazard Communication Standard (29CFR1910.1200).

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to Know Act of 1986) Sections 313 components:** Triethylamine.

**TSCA Inventory (TSCA):** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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**SECTION 16: OTHER INFORMATION****Hazard Rating System:****HMIS**

Health	Flammability	Reactivity	PPE
1	0	0	B

**List of Acronyms:**

STEL is Short Term Exposure Limit

TWA is Time Weighted Average

US WEEL is USA Workplace Environmental Exposure Level

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