



# Material Safety Data Sheet

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## Section I – Identification

**Product Name:** Spray Deck Resin

**Classification:** Water-based acrylic resin solution

**D.O.T. Hazard Class:** Not regulated

### HMIS Rating

Health: 1  
Flammability 0  
Reactivity: 0

## Section II – Components

Ingredient	C.A.S.#	Wt.%	PEL	TLV	STEL	Notes
Acrylic polymer	25852-37-3	27-30	Not established			
Water	7732-18-5	68-72	Not established			
Non-hazardous or proprietary balance						

## Section III – Physical Properties

**Boiling Point:** 212°F (100°C)      **Vapor Pressure:** 17 mm Hg @ 68°F (20°C)  
**Melting Point:** N.A.      **Vapor Density:** < 1      Air = 1  
**Evaporation Rate:** Less than Butyl Acetate      **Specific Gravity:** 1.05-1.15  
**Water Solubility:** Miscible      **Non-volatile:** 30%  
**Physical Appearance:** White to pale yellow or beige milky liquid.

## Section IV – Fire and Explosion Hazard Data

**Flash Point:** n.a.      **Explosion Limits (LEL):** n.a.      **UEL:** n.a.

**Extinguishing Media:** No known incompatibilities with any known extinguishing media. Use a product best suited for surrounding materials and hazards.

**Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomers. Incomplete combustion may form toxic materials such as carbon dioxide, carbon monoxide, or various hydrocarbons.

**Firefighting Procedures:** Wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode and full protective gear.

**Special Fire & Explosion Hazards:** Material can splatter over 212°F (100°C). Polymer film can burn.

## Section V – Health Hazard Information

**Primary Route(s) of Entry:** Inhalation, skin contact, and eye contact.

### Effects of Acute Overexposure:

Eyes – May cause mild eye irritation.

Skin – Prolonged or repeated exposure can cause slight skin irritation.

Respiratory – Inhalation of vapor or mist can cause headache, nausea, and/or irritation of nose, throat, and lungs. While product is not generally a respiratory irritant, persons with impaired pulmonary function are advised to take special precautions.

Ingestion – Single dose oral toxicity is low, and unlikely to occur with normal handling. Symptoms will include gastrointestinal irritation (nausea, vomiting, diarrhea).

### First Aid:

Eyes – Flush gently with water for at least 15 minutes. If symptoms persist or vision is impaired, seek medical attention.

Skin – Wash affected skin areas with soap and water. Seek medical attention if irritation persists.

Respiratory – Remove individual to fresh air.

Ingestion – If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

### Section VI – Chemical Reactivity

**Stability:** Material is stable at normal temperatures, however thermal decomposition will begin at 350°F (177°C). Degree of decomposition is dependent on time and temperature.

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** No incompatibilities known.

**Conditions to Avoid:** Avoid freezing or extremely high temperatures.

**Hazardous Decomposition Products:** Incomplete combustion can produce carbon monoxide and carbon dioxide.

### Section VII – Spill Procedures

**Small Spill:** Spilled product is a slip hazard; use care to prevent falling. Absorb spilled material with inert material. Transfer material to a suitable container.

**Large Spill:** Dike area to prevent material from entering sewer or open water. Absorb spilled material with inert material. Transfer material to a suitable container.

**Waste Disposal Method:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Liquid and contaminated solids may be incinerated in a manner consistent with local, state and federal law. For further information, contact your state or local waste agency or the United States Environmental Protection Agency's RCRA hotline (1-800-424-9346).

### Section VIII – Special Protection Information

**Respiratory Protection:** None required under normal operating conditions. If material is sprayed, use an approved disposable half-mask dust/mist respirator.

**Ventilation:** Mechanical ventilation not usually required, excepting indoor application with limited air exchange.

**Gloves:** Neoprene gloves will provide protection against penetration.

**Eye Protection:** Wear chemically-resistant goggles.

**Other Protective Equipment:** Wear appropriate work clothing to prevent skin contact. Wash before reuse. Eye wash station should be available.

### Section IX – Special Precautions

**Handling and Storing:** Keep material from freezing. The minimum recommended storage temperature is 34°F (1°C). The maximum recommended storage temperature is 120°F (49°C).

### Section X – Supplemental Information

This product is not a hazardous chemical under the OSHA Hazard Communication Standard and spills are not reportable under SARA Title III or CERCLA National Response Center.

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