

# Elvacite 2041 Acrylic Resin

12/23/93

<b>Safety</b>	<b>Chemistry</b>	<b>Management</b>
<a href="#">Protective</a>	<a href="#">Synonyms</a>	<a href="#">Responsible</a>
<a href="#">Toxicity</a>	<a href="#">Incompatible</a>	<a href="#">Manufacturer and Order Number</a>
<a href="#">Health Effects</a>	<a href="#">Structure</a>	
<a href="#">PEL/TWA</a>	<a href="#">Disposal</a>	
<a href="#">NFPA</a>	<a href="#">Hazardous Decomposition</a>	
	<a href="#">Physical Data</a>	

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

## Protective Equipment



Splash Goggles



Face Shield



Gloves



Vapor Respirator

## Eyes

- **Normal handling:** use of eye protection is recommended.
- **Thermal processing:** Wear eye and face protection.

## Skin

- **Thermal processing:** wear thermal insulating gloves when handling hot masses

## Respiratory

- An approved dust mask should be worn if exposure to high levels of dust are likely.

## Special Precautions

- **Ventilation:** natural ventilation is adequate.
- **Storage:**
  1. Keep containers in a clean, cool and dry area away from heat sources.
  2. Storage temperature: ambient

- Avoid contact with eyes, prolonged skin contact, inhalation of high concentrations of dusts.
- Extra care should be taken to prevent burns from contact with hot material.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Toxicity

### Toxicity Data

- **Cancer:** no evidence of adverse effects but adverse effects unlikely.
- **Teratology:** no information but adverse effects unlikely.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Health

### Effects:

- **Ingestion:** Low oral toxicity.
- **Skin:** Unlikely to cause skin irritation.
- **Eye:** Dust may cause irritation.
- **Inhalation:** Unlikely to be hazardous but dust or vapors may cause irritation, hot vapors may cause narcotic effect.

### First Aid:

- **Inhalation:** remove patient from exposure. Obtain medical attention if ill effects occur.
- **Eye:** Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.
- **Skin:** Wash skin with soap and water. Molten material can cause severe burns. Do Not try to peel molten polymer from the skin. Cool rapidly with water. Obtain medical attention.
- **Ingestion:** Do not induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

---

## **PEL/TWA**

### **PEL**

- **OSHA PEL**
  1. 100 ppm (410 mg/m<sup>3</sup> 8hr. TWA) [for methyl methacrylate]
  2. 15 mg/m<sup>3</sup>, 8hr. TWA (particulates)
  3. 5 mg/m<sup>3</sup>, 8 hr. TWA (respirable dust)

### **TWA**

- **ACGIH TLV** 100 ppm (410 mg/m<sup>3</sup> 8hr. TWA) [for methyl methacrylate]

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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### **Fire Hazard Data**

- **Flash point:** 300°C (572°F)
- **Extinguishing Media:** water spray, foam, dry powder, or CO2
- **Special Fire-Fighting Procedures:** Self-contained breathing apparatus and full protective clothing should be worn in fire conditions.
- **Unusual Hazards:** Combustible but not readily ignited. May form explosible dust clouds in air. May decompose if heated above 200°C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.
- **NFPA:** Information not supplied by the manufacturer.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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### **Synonyms**

- No information given by the manufacturer.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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### **Incompatibles**

- No information given by the manufacturer.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Structure

- Poly (Methyl Methacrylate) >99%, [CAS #: 9011-14-7]

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Disposal

### Spill Procedures:

- Spillages may be slippery.
- Sweep up and shovel into waste drums or plastic bags.
- Wash the spillage area with water.

### Disposal:

- Considered to be non-hazardous.
- Clean scrap may be reprocessed.
- Incineration may be used to recover energy value.
- May be disposed of by landfill in accordance with local regulations.
- Certain packages are returnable.
- Please consult your local office for further details.
- Ensure that all packaging is disposed.

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Hazardous Decomposition

- Methyl Methacrylate

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Physical Data

- % Volatile: <1%
- Solubility in H<sub>2</sub>O: negligible
- Odor: Typical "methacrylate"
- Appearance: solid granules
- Specific Gravity: 1.2

[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)

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## Manufacturer

**ICI Acrylics**

3411 Silverside Rd.-Mckean 2nd

Wilmington, DE 19850-5391

Information Phone: 302/887-5853

**Emergency Phone:**

- **Transport Emergency: (800) 424-9300**
- **Medical Emergency: (800) 228-5635 ext. 181**

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Responsible for MSDS:

ICI Acrylics

2665 Fite Rd.

Memphis, TN 38127

Phone: (901) 345-1096

MSDS # 1036

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[Top of Page](#) | [Chemical Index](#) | [CAS Index](#) | [Help](#) | [Comments](#) | [Home](#)