

**CRANE**

Composites

A Crane Co. Company

**6251**

Revision 6 • 3/09

# MSDS: Material Safety Data Sheet

## PRODUCT IDENTIFICATION

Trade Name and Synonyms	SunPatch® Fiberglass Patch
Chemical Name and Synonyms	Resin Solution
Chemical Family	Styrene
DOT Hazard Classification	Marine Pollutant, UN1866, Class 3, PG III

## HAZARDS IDENTIFICATION

Threshold Limit Value (TLV)	OSHA: 50 ppm TWA
Primary Route of Entry	Inhalation and skin contact
Effects of Overexposure	Skin contact: moderate irritation (rash/dermatitis)
Inhalation of Vapors	Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis.
Prolonged Skin Contact	Prolonged or repeated exposure can cause moderate irritation, defatting, and dermatitis. Note: the polymer present in this product contains acrylate or methacrylate functionally. Acrylates and methacrylates are known to cause sensitization and are slightly toxic to animals by absorption.
Eye Contact	Can cause severe injury-damage reversible

## PHYSICAL DATA

Boiling Point	295°F
Vapor Pressure	4.5 @ 68°F
Vapor Density	3.6 - based on Styrene MSDS
Specific Gravity (water=1)	1.1
% Volatile (by volume)	41.24
Solubility in Water	Negligible
Appearance and Odor	Styrene-aromatic hydrocarbon

## FIRST AID MEASURES

Eye Contact	Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting the eyelids. Contact a physician immediately.
Skin Contact	Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. If irritation persists, obtain medical attention. Wash contaminated clothing thoroughly before re-use. Discard contaminated shoes.
Inhalation	Move to fresh air. Apply artificial respiration or administer oxygen, if necessary. Call a physician immediately.
Ingestion	Keep person warm and quiet. Get immediate medical attention. Do not induce vomiting, because aspiration of material into the lungs from vomiting can cause chemical pneumonitis, which can be fatal.

## FIRE AND EXPLOSION DATA

<b>Flash Point</b>	88°F (closed cup); OSHA Class 1C, Flammable liquid
<b>Flammable Limits</b>	Lower: 1.1%, Upper: 6.1%
<b>Extinguishing Media</b>	Alcohol foam, CO <sub>2</sub> , dry chemical
<b>Fire Fighting Procedures</b>	Closed containers may be cooled by water to prevent pressure buildup. Firefighters should wear self-contained breathing apparatus.
<b>Unusual Fire or Explosion Hazards</b>	Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

## REACTIVITY DATA

<b>Stability and Incompatibility</b>	Stable under normal use conditions. Avoid contact with oxidizing agents. Avoid overheating. Avoid direct exposure of resin to sunlight or ultraviolet light sources (except when applying as a repair).
<b>Hazardous Decomposition Products</b>	Smoke, CO <sub>2</sub> , CO

## ENVIRONMENTAL INFORMATION

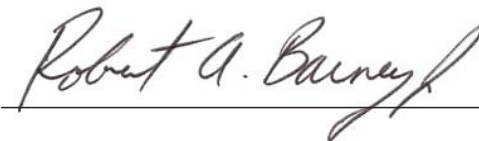
<b>Handling and Storing Precautions</b>	Store away from sources of heat and ignition. Avoid exposure to open flame, heat, oxidizing agents, direct sunlight, catalysts, and peroxides. Keep containers closed when not in use.
<b>Miscellaneous</b>	Do not take internally. For industrial use only. Keep out of reach of children.
<b>Spill or Leak Procedures</b>	Remove all sources of ignition and ventilate the area. Clean up spill with inert absorbent and non-sparking utensils.
<b>Waste Disposal</b>	Follow EPA Hazardous Waste Regulations.

## PERSONAL PROTECTION INFORMATION

<b>Respiratory Protection</b>	Use self-contained breathing apparatus where vapor concentration may be above TLV limits or an air line respirator with escape bottle provisions.
<b>Eye Protection</b>	Safety glasses with side shields
<b>Skin Protection</b>	Wear protective neoprene or polyvinyl alcohol gloves for repeated contact.

The above is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change, and the conditions for use or misuse are beyond our control, CRANE COMPOSITES MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, ABOUT THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should be satisfied that he/she has all current data relevant to his/her particular use.

APPROVED BY



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