



## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### Product identifier:

**Identification as on the label/Trade name:** TRUE COMPOSITES Polyester Resin

**Unique Product Codes:** 852418008006, 850019564723, 852418008143, 852418008075

**ASIN Codes:** B077YQTXJQ, B08PZJGQT5, B0785N3588, B078KNKV7Y

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Marine, Boat, Auto, Vehicle, Hobby, and other Fibre Reinforced Plastic (FRP) repairs and creations.

**Uses advised against:** No other uses are advised.

### Details of the supplier of the Safety Data Sheet:

TRUE COMPOSITES  
503 Paul Morris Drive  
Englewood  
Florida 34223

+1(855) 464-2836

support@truecomposites.com

### Emergency telephone numbers:

24-hour Emergency Contact:

CHEMTREC 24-hour: +1-800-424-9300 / +1-703-527-3887

## Section 2: Hazards Identification

### Classification of the substances or mixture:

**The mixture is classified according to:** Regulation EC 1272/2008 [EU-GHS/CLP]

### **Hazard classes/Hazard categories:**

Flammable Liquid (Category 3)

Skin Irritant (Category 2)

Eye Irritant (Category 2)

Acute Toxicity (Category 4)

Reproductive Toxicity (Category 2)

STOT RE (Category 1)

### **Hazard Statement:**

H226

H315

H319

H332

H361d

H372

### Label elements:

#### **Hazard pictograms:**



**Signal Word:** Danger



**Hazard Statements:**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P242 Use non-sparking tools.

P264 Wash hands thoroughly after handling.

P261 Avoid breathing fumes/vapors.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER/doctor if you feel unwell.

P333 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture:** Mixture.

**Ingredients:**

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	Classification EC1272/2008	
	EC-No.			
Styrene	100-42-5	30-35%	Flam. Liq. 3	H226
			Skin Irrit. 2	H315
			Eye Irrit. 2	H319
			Acute Tox. 4	H332
	202-851-5		STOT RE 1	H372
			Repr. 2	H361d

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



## Section 4: First-Aid Measures

### Description of first aid measures:

**General advice:** Remove contaminated clothing. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary.

**If inhaled:** Keep patient calm, remove to fresh air, seek medical attention.

**On skin contact:** Wash thoroughly with soap and water.

**On contact with eyes:** Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:** Keep patient calm, remove to fresh air, seek medical attention.

### Most important symptoms and effects, both acute and delayed:

None known.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

## Section 5: Fire-Fighting Measures

### Extinguisher media:

**Suitable extinguishing media:** Dry extinguishing media, foam, carbon dioxide

**Unsuitable extinguishing media for safety reasons:** Water.

**Special protective equipment:** Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:** Keep containers cool by spraying with water if exposed to fire.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

**Personal precautions:** Use breathing apparatus if exposed to vapors/dust/aerosol. Sources of ignition should be kept well clear.

### **Methods for cleaning up or taking up:**

For small amounts: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

For large amounts: Dike spillage. Place into suitable container for disposal.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

### **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## Section 7: Handling and Storage

### Precautions for safe handling:

**Protective measures:** Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Wear suitable protective clothing and gloves.



**Protection against fire and explosion:** Vapors may form explosive mixture with air. Take precautionary measures against static discharges. Containers should be earthed during decanting operations. Keep away from sources of ignition - No smoking.

**Conditions for safe storage, including incompatibilities:**

Unsuitable materials for containers: Brass, copper.

Further information on storage conditions: Keep at temperature not exceeding 40°C

Storage temperature: < 40°C

## Section 8: Exposure Controls and Personal Protection

**Control parameters:**

**Occupational exposure limits:**

Component	CAS Number	Exposure Limits	Source
Styrene Monomer	100-42-5	20ppm TLV-TWA	ACGIH
		50ppm 8hr PEL	OSHA

**Exposure control:**

**Appropriate engineering controls:** Provide mechanical ventilation or direct exhaust to the external media. It is recommended safety shower and eye bath available near working area. The engineering controls measures are the most effective to reduce exposure to the product.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear safety glasses with side shields and a face-shield or goggles and a face-shield. Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

**Respiratory protection:** A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or during other circumstances where air purifying respirators may not provide adequate protection.

**Environmental exposure controls:** Do not dump directly into the environment or into the sewer system. The dilution water from tire fighting can cause pollution.

## Section 9: Physical and Chemical Properties

**Information on basic physical and chemical properties**

**Appearance (form):** Liquid.

**Color:** Yellow / Pink

**Odor:** Styrene.

**Odor threshold:** No data available.

**pH (concentration):** No data available.

**Melting point/range (°C):** No data available.

**Boiling point/range (°C):** 145°C

**Flash point (°C):** 31°C

**Evaporation rate:** No data available.

**Flammability (solid, gas):** Non-flammable.



**Upper/lower flammability/explosive limits:** Upper: 8.8% Lower: 88%

**Vapor pressure:** 6mm Hg

**Vapor density:** 4.5mm Hg

**Relative density (20 °C):** 1.05 – 1.3

**Water solubility (g/L) at 20 °C:** Insoluble.

**n-Octanol/Water partition coefficient:** No data available.

**Auto-ignition temperature:** 490°C

**Decomposition temperature:** No data available.

**Viscosity, dynamic (mPa s):** No data available.

## Section 10: Stability and Reactivity

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability:** Stable under recommended conditions of storage.

**Hazardous polymerization:** May polymerize violently with risk of fire and explosion. Uninhibited styrene, or styrene with low inhibitor concentration, polymerizes slowly at room temperature and on exposure to light and air, and readily at elevated temperatures, greater than 149°F (65°C). Polymerization becomes self-sustaining above 203°F (95°C). Metal salts (e.g. ferric or aluminum chloride), peroxides, oxidizers and strong acids may also cause polymerization.

**Conditions to avoid:** Elevated temperatures, heat, sparks, open flame and other ignition sources.

**Incompatible materials:** Oxygen, oxidizing agents-Increased risk of fire and explosion. Can form explosive peroxides. Strong acids (e.g. sulfuric acid, oleum, chlorosulfonic acid) – Increased temperature and pressure; increased risk of fire and explosion. Alkali metal, graphite compounds, metallic halide salts, peroxides (dibenzoyl peroxide di-tertbutyl peroxide), azoisobutyronitrile-Can initiate polymerization. Byllithium- Explosion can occur. Halogens-Can react with low concentrations of halogens, in the presence of UV light, to form a strong irritant. Can form peroxides in the presence of light and air or on contact with acids. Styrene monomer has been involved in several plant-scale explosions when stored inappropriately or accidentally heated.

**Hazardous decomposition products:** Styrene Oxide.

## Section 11: Toxicological Information

### Information on toxicological effects:

**Acute toxicity:** Harmful if inhaled.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:** Suspected of damaging the unborn child.

**STOT-single exposure:** No data available.

**STOT-repeated exposure:** Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** No data available.

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence and degradability:** This material contains components that show little or no evidence of biodegradability. Great caution should be taken to prevent release to the environment.

**Bioaccumulative potential:** No data available.

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

**Results of PBT& vPvB assessment:** No data available.

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

## Section 13: Disposal Considerations

**Waste treatment methods:** Preferred method of disposal: Includes incineration under controlled conditions in accordance with all local and national laws and regulations. The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or water courses. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Product/packaging disposal:** Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Hazard warning labels should be removed from the container walls.

## Section 14: Transport Information

**UN number:** 1866

**UN proper shipping name:** RESIN SOLUTION, flammable.

**Transport hazard class:** Class 3

**Hazard label:**



**Packing group:** III

**DOT Special Provisions:** B1, B52, IB3, T2, TP1

**DOT Packaging Exceptions:** 150

**DOT Packaging Non-Bulk:** 173

**DOT Packaging Bulk:** 242

## Section 15: Regulatory Information

### Safety, health and environmental regulations/legislation for the mixture:

**Relevant information regarding restrictions:** None known.

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

**Occupational Safety and Health Act (OSHA):** This material is classified as a hazardous chemical under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

**SARA Title III Section 302/304 Extremely Hazardous Substance:** Styrene CAS 100-42-5

**SARA Title III Section 311/312 Hazard Categorization:** Acute Health Hazard, Chronic Health Hazard, Flammability Hazard.

**SARA Title III Section 313 Supplier Information:** Styrene CAS 100-42-5



**CERCLA Section 102(a) Hazardous Substance:** Styrene CAS 100-42-5, RQ 1000 pounds.

**California Proposition 65:** Styrene CAS 100-42-5, April 22 2016

**Chemical Safety Assessment carried out:** No.

## Section 16: Other Information

**Indication of changes:** GHS aligned.

**Relevant classification and H statements (number and full text):**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

**Training instructions:** Use as instructed.

**Further information:** This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Notice to readers:** Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.