

**U S CHEMICAL & PLASTICS**

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**SECTION I - IDENTIFICATION OF PRODUCT**

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**PRODUCT NAME:** Super Charger  
**PRODUCT CODE:** USC 40154: Bond-Tite 062075  
**SYNONYM/CROSS REFERENCE:** Polyester Resin  
**SCHEDULE B NUMBER:** 3907.91.0000

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**SECTION II - HAZARDOUS INGREDIENTS**

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INGREDIENTS	WGT%	CAS #	TLV/PEL
Polyester Resin	60-70%	Trade Secret	N/E
Styrene	30-40%	100-42-5	OSHA PEL 50 ppm CPEL 200 ppm ACGIH TLV 50 ppm STEL 100 ppm See Health Hazard Information

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**SECTION III - PHYSICAL DATA**

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**APPEARANCE:** Dark Brown Liquid  
**SPECIFIC GRAVITY:** 1.10 - 1.14  
**VAPOR PRESSURE (mmHG):** 4.500  
**BOILING POINT:** 295° F  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE (Ethyl Ether = 1):** Slower than Ethyl Ether  
**VOLATILES BY WEIGHT:** 30-40%  
**SOLUBILITY IN WATER:** Negligible  
**VOC:** Grams/Liter = 421  
Lbs/Gallon = 3.52  
VOC loss upon cure: 1.6 grams/liter  
0.02 lbs/gal

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## SECTION IV - FIRE AND EXPLOSION DATA

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**FLASH POINT:** 89°F/32°C Seta Flash Closed Cup

**LOWER FLAMMABLE LIMIT %:** N/E

**UPPER FLAMMABLE LIMIT %:** N/E

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, dry Chemical, Foam Water Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters wear OSHA/NIOSH self-contained breathing apparatus. Fight like fuel oil fire Cool fire exposed containers with water spray

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures such as fire conditions may rupture

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## SECTION V - HEALTH HAZARD/TOXICOLOGICAL PROPERTIES

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### **OVEREXPOSURE EFFECTS:**

#### **ACUTE EFFECTS:**

**EYES:** Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into the lungs may result in chemical pneumonitis, which can be fatal. May be toxic

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

#### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: liver damage, kidney effects, hearing effects, respiratory tract damage, testis damage, central nervous system effects, fetal harm.

**CARCINOGEN:** YES \_\_\_\_\_ NO   X  

**TERATOGEN:** YES \_\_\_\_\_ NO   X  

**MUTAGEN:** YES \_\_\_\_\_ NO   X  

**Contains ten per cent or more of a marine pollutant.**

### **STYRENE/IARC/CARCINOGENICITY**

Styrene is listed by IARC to be a possible carcinogen. Styrene studies have shown that Styrene causes cancer in certain laboratory animals. However, there is insufficient evidence to conclude that Styrene is a human carcinogen.

**PRIMARY ROUTES OF EXPOSURE:** inhalation, skin, eyes

### **FIRST AID:**

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make him/her comfortably warm, but not hot. Use oxygen artificial respiration as required. Consult a physician.

**SKIN:** Wash with soap and water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

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## SECTION V I - REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, heat, electrical and static discharge, and direct sunlight.

**INCOMPATIBILITY MATERIALS TO AVOID:** Strong acids, alkalis, oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and Carbon.

**HAZARDOUS POLYMERIZATION:** May occur.

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## SECTION VII - SPILL AND DISPOSAL PROCEDURE

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**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

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## SECTION VIII - PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use air-supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. General mechanical ventilation is acceptable.

**PROTECTIVE GLOVES:** To prevent prolonged exposure, use rubber gloves; solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety Glasses or goggles with side shields to prevent dust exposure to eyes.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

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## SECTION IX - HANDLING AND STORAGE PRECAUTIONS

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**STORAGE AND HANDLING:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

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## SECTION X - ADDITIONAL INFORMATION

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**SHIPPING INFORMATION:** Please comply with DOT regulations in USA

HMIS RATING:	Health	2	4 = Extreme
	Fire	3	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

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**CALIFORNIA PROPOSITION 65:**

Trace amounts of some chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be present in this product

**SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME	CAS	% BY WGT
Styrene	100-42-5	30-40%

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS's THAT ARE COPIED AND DISTRIBUTED FOR THIS CHEMICAL

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ABBREVIATIONS

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IARC = International Agency for Research on Cancer  
 ACGIH = American Conference of Governmental Industrial Hygienists  
 NIOSH = National Institute of Occupational Safety and Health  
 TLV = Threshold Limit Value  
 PEL = Permissible Emission Level  
 DOT = Department of Transportation  
 NTP = National Toxicology Program  
 N/AV = Not Available  
 N/AP = Not Applicable  
 N/E = Not Established  
 N/D = Not Determined

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DATE REVIEWED: January 12, 2006  
 DATE REVISED: January 25, 2000  
 REVISION: Format

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.