MATERIAL SAFETY DATA SHEET
COATINGS, RESINS, AND RELATED MATERIALS

MANUFACTURED BY:
SUNREZ CORPORATION
392 Coogan Way
El Cajon, CA 92020

EMERGENCY CONTACT: CHEMTREC 1-800-424-9300

INFORMATION CONTACT: 1-888-442-3353 (DURING NORMAL BUSINESS HOURS)
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SECTION I. PRODUCT IDENTIFICATION

PRODUCT CODE: **FIBERGLASS PUTTY 7020 PUTTY**
PRODUCT NAME: SUNREZ VE RESIN TYPE LIGHT CURE

SHIPPING DESCRIPTION:
RESIN SOLUTION, 3, UN 1866, PG III
MARINE POLLUTANT, ~~CONTAINS:~~ STYRENE

SECTION II. HAZARDOUS INGREDIENTS

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
HEALTH: 2 * FLAMMABILITY: 3
REACTIVITY: 1

INGREDIENT CAS NO.	WT. PERCENT	TLV ppm	TLV mg/m3	TLV ppm	SOURCE	IDLH	VAPOR PRESSURE (mm Hg. @68F)	LEL
STYRENE 100-42-5	15-20%							
		50.000	215.00		TWA/ACGIH	700	4.30	1.10
		100.0000	425.00		FEDERAL PEL			
		100.0000	425.00		STEL/ACGTH			

SECTION III. PHYSICAL DATA

BOILING RANGE: 212-295 F PERCENT VOLATILE BY VOL: 41.24
SPECIFIC GRAVITY 1.068 EVAPORATION RATE (n-Bu Ac=1) : N/E
VAPOR DENSITY (AIR=1) : N/E VAPOR PRESSURE (mm Hg@68F) : N/B
VOLATILE ORGANIC CONTENT (VOC) : N/A
APPEARANCE AND ODOR: light straw colored solution - styrene odor
SOLUBILITY IN WATER: negligible

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 94 DEG. F SETAFLASH OSHA CLASSIFICATION: IC
FLAMMABLE LIMITS %. BY VOLUME IN AIR AT 212 DEG. F:
LOWER EXPLOSION LIMIT: 1.10
UPPER EXPLOSION LIMIT: 6.10

EXTINGUISHING MEDIA:
Use foam, carbon dioxide or chemical fire fighting apparatus.

Attachment 004

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES

The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

SECTION V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

See Section II

EFFECTS OF OVEREXPOSURE:

EYE CONTACT:

Can cause severe injury - damage reversible.

SKIN CONTACT:

Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

Note: The polymer present in this product contains acrylate or methacrylate functionality. Acrylates and methacrylates are known to causa sensitization and are slightly toxic to animals by absorption.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis. (Central Nervous system depression)

INGESTION:

Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

CARCINOGENICITY:

Based on a re-evaluation of the previous negative and equivocal data and an increased incidence of lung tumors after oral administration in young adult mice, the International Agency for Research on Cancer (TARO) has listed styrene among those materials for which there is limited carcinogenicity in animals (Group-2B)

Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting the eyelids. Contact 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:

Remove 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.

NOTE TO PHYSICIAN: Can cause pulmonary edema, signs and symptoms of pulmonary edema can be delayed for several hours.
This product may contain trace amounts (<10 ppm) of epichlorohydrin.
Epichiorohydrin has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. Evidence to date purports weak evidence that exposure to epichlorohydrin poses a cancer risk to humans. NIOSH recommended in late 1978 that epichlorohydrin be handled as a human carcinogen.

SECTION VI. REACTIVITY DATA

STABILITY:
Potentially unstable. Material has a recommended storage life of six months, stored at temperatures of 70-100 degree F.

CONDITIONS TO AVOID:
Temperatures above 100 degree F, sunlight, x-ray or ultraviolet radiation, sparks and flame.

MATERIALS TO AVOID:
Peroxides, other polymerization initiators and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition may yield carbon dioxide and/or carbon monoxide, aldehydes and acids.

HAZARDOUS POLYMERIZATION:
Can occur. Uncontrolled polymerization can cause rapid evolution of heat and increased pressure, which can result in violent rupture of storage vessels or containers.

CALIFORNIA S C A Q M D RULE 443.1:
This product contains photochemically reactive volatile organic compound(s).
Refer to Section II and III.

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (See Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal.

WASTE DISPOSAL METHOD:
Waste material must be disposed òof in accordance with federal, state, and local environmental regulatory controls.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
Use self-contained breathing apparatus where vapor concentration may be above TLV limits or an air line respirator with escape bottle provisions.

VENTILATION:
Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limit. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PROTECTIVE GLOVES:

Chemical resistant and impervious gloves. Polyvinyl alcohol type recommended.

EYE PROTECTION:

Safety glasses with slide shields.

OTHER PROTECTIVE EQUIPMENT:

Chemical resistant apron polyvinyl alcohol type recommended. Eye bath and safety shower. To prevent repeated or prolonged skin contactr wear impervious clothing and boots.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: See first page of MSDS

SECTION IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Drums: Protect against physical damage. Outside or detached storage preferred.

Bulk: Storage should be in standard flammable liquid storage tanks.

OTHER PRECAUTIONS:

All equipment should be grounded and bonded~to reduce static electricity hazard. Use non-sparking tools.

Overexposure to this material has apparently been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage, lung damage.

ADDITIONAL COMMENTS

We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. "Empty" drums should not be given to individuals.

The information in this MSDS was obtained from sources which we believe are reliable, However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

ENVIRONMENTAL DATA SHEET

***** MUST NOT BE DETACHED FROM MATERIAL SAFETY DATA SHEET *****

***** IF THIS MSDS IS COPIED AND REDISTRIBUTED, THIS NOTICE MUST BE ATTACHED *****

MANUFACTURED BY: Sunrez Corporation
392 Coogan Way
El Cajon, CA 92020

DATE OF LAST CHANGE: 2/02/2003

PRODUCT NAME: **7020 PUTTY** LIGHT CURE RESIN **PUTTY**
PRODUCT CLASS: VE RESIN TYPE LIGHT CURE

SECTION I. PRODUCT IDENTIFICATION/COMPOSITION

PROD	COMPONENT	CAS NUMBER	PERCENT
P	VE RESIN TYPE LIGHT CURE	MIXTURE	100
---TYPICAL DISTRIBUTION OF HAZARDOUS COMPONENTS-- --			
1	STYRENE	100-42-5	39.1

SECTION II. SARA TITLE III INFORMATION

PROD	EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 (*3)	311/312 CATEGORIES (*4)			
P	724,638			1	3	4	5
1			YES	1	3	4	5

FOOTNOTES

*1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SARA SEC.302/304
*2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SARA SEC.302
*3 = TOXIC CHEMICAL; SARA SEC 313
*4 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
1 = FIRE HAZARD 2 = SUDDEN RELEASE OF PRESSURE HAZARD
3 = REACTIVE HAZARD 4 = IMMEDIATE (ACUTE) HEALTH HAZARD
5 = DELAYED (CHRONIC) HEALTH HAZARD

SECTION III. DOT/CERCLA INFORMATION

THE CERCLA REPORTABLE QUANTITY (RQ) FOR THIS MIXTURE IS 2,848 LBS.
WHICH IS BASED ON THE RQ OF EACH INGREDIENT AND ITS PERCENT IN MIXTURE.

SECTION IV. ADDITIONAL REGULATORY INFORMATION

THE POLYMER AND ALL COMPONENTS OF THIS PRODUCT ARE PRESENT ON THE UNITED STATES TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

SECTION V. DISCLAIMER

THE INFORMATION IN THIS MSDS AND ENVIRONMENTAL DATA SHEET WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR COMPLETENESS.