



MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT SUPERCURE RUBBER

MSDS DATE: 3/14/2012

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SUPERCURE RUBBER
SYNONYMS: ACCELERATOR
PRODUCT CODES: SUPERCURE-RUB

MANUFACTURER: ER SYSTEMS (AN ITW COMPANY)
ADDRESS: 12271 MONARCH STREET, GARDEN GROVE, CA 92841
INFORMATION PHONE: 714-898-0025
FAX NUMBER: 714-898-5687

EMERGENCY Contact during transport:
INFOTRAC 1-800-535-5053
CUSTOMER ID: 74919

CHEMICAL FAMILY: SOLVENT BASED AMINE CURING AGENT

PRODUCT USE: USE TO ACCELERATE POLYURETHANE BASECOATS
PREPARED BY: ER SYSTEMS

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Aromatic Polyamine CAS# 68479-98-1	NA	NA	NA	No data	25 – 50 %
Aromatic Petroleum Naphtha # 64742-95-6	100 ppm	100ppm/ TWA	150ppm	LD: 4.7g/kg (rat, dermal) LC: >3370 ppm/8hrs (rat)	50 – 75 %

NA = not available

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Use proper ventilation. Wear protective equipment and clothing. Do not inhale vapor and mist. Do not ingest. Avoid skin and eye contact. Keep away from Children, animals and expectant mothers.

ROUTES OF ENTRY: Eye, Skin, Inhalation, Ingestion

POTENTIAL HEALTH EFFECTS :

ACUTE HEALTH HAZARDS:

EYES: Vapor and/or mist may cause eye irritation. May cause redness, tearing and itching.

SKIN: Skin contact may cause irritation. Maybe be harmful by skin absorption.

INGESTION: Expected to be harmful. May cause irritation of the mouth, pharynx, esophagus and stomach.

INHALATION: Inhalation may cause coughing, headache, nausea, irritation to mucous membranes and upper respiratory tract on excessive exposure.

CHRONIC HEALTH HAZARDS: A two year feeding study in rats showed the polyamine to cause effects in the pancreas, liver, thyroid and eyes. An increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary gland of female rats was found.

Medical conditions generally aggravated by exposure: Prolonged and repeated exposure may result to respiratory sensitization, asthma like conditions, central nervous depression, skin sensitization and allergic skin reactions (rashes, hive-like, acme's, itching, etc.)



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SECTION 4: FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Keep eyelids wide open to achieve proper irrigation of the eyes. Get medical attention.

SKIN: Immediately flush skin with copal and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse.

INGESTION: If swallowed, get medical attention immediately. Induce vomiting only directed by the physician. Never give anything by mouth to an unconscious person.

INHALATION: In inhales, removed person to fresh air. If not breathing, give artificial respiration. Call a doctor immediately.

SECTION 4 Notes: General Advice: Take off all contaminated clothing immediately.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 6.0% (aromatic naphtha solvent)
(% BY VOLUME) **LOWER:** 0.7%

FLASH POINT: 115 - 120°F (Pensky Martens Close Cup)

AUTOIGNITION TEMPERATURE: no data

NFPA HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 2 **REACTIVITY:** 0

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 2 **REACTIVITY:** 0
PROTECTION: goggles/safety glasses, gloves, coverall/apron, respirator

EXTINGUISHING MEDIA: Use chemical foam, carbon dioxide or dry chemicals. Water spray the containers to cool them down.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained MSHS/NIOSH approved positive pressure breathing apparatus and full protective gear to avoid inhalation of fumes, skin and contact.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product contains Combustible liquid (solvent). Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flash point. Autoignition may occur with cotton waste or similar combustible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous fumes in fires, Oxides of Nitrogen

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use personal protective equipment. Do not contaminate any waterways such as drains, streams, groundwater or soil. Obey laws and regulations as per local, state and/or federal. Protect from moisture. Spill can be minimum since product is packaged in quart containers. Should multiple containers run into a spill, it should be contained to avoid any runaway into sewer and/or other waterways. A dike using an inert absorbent can be useful to prevent a spread.

SECTION 7: HANDLING AND STORAGE



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HANDLING AND STORAGE: Avoid contact with skin, eyes, and clothing. Avoid breathing vapors and mists. Use with adequate ventilation. Read MSDS/label before the container is opened and used. Keep containers tightly closed and away from high temperature conditions such as heat, sunlight, flame etc. Do not contaminate with water.

OTHER PRECAUTIONS: Follow proper hygienic practices after using the product. Wash before eating, drinking and/or using a restroom. DO not smoke.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation to avoid build-up of vapors and aerosols. Use explosion proof ventilation equipment.

RESPIRATORY PROTECTION: Under normal use, an MSHA/NIOSH approved organic vapor or charcoal filtered cartridge respirator may be enough. If required one can use positive pressure supplied air respirator with full face piece or an air-supplied hood.

EYE PROTECTION: Chemical splash goggles and/or face shield.

SKIN PROTECTION: Use impermeable gloves. Precaution should be taken to ensure that material does not get inside the gloves. If contact with liquid is possible, wear impervious clothing. Showering after using the product is recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: A safety shower and eye wash station should be considered and be readily available in case of contact. Keep away from children, pets and pregnant mothers.

WORK HYGIENIC PRACTICES: Avoid skin and eye contact. Remove contaminated clothing and wash before reuse. Wash contact area to avoid any burns. Wash before eating, drinking, and/or using restroom. Do not smoke.

EXPOSURE GUIDELINES: see section 2 on exposure data for solvent.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: yellowish to amber

ODOR: amine-like mild odor

PHYSICAL STATE: Liquid

BOILING POINT: 300 - 335°F (solvent)

VAPOR PRESSURE (mmHg): no data

VAPOR DENSITY (AIR = 1): greater than 1

SPECIFIC GRAVITY (H₂O = 1): 0.94 – 0.96

EVAPORATION RATE: less than 1

SOLUBILITY IN WATER: hardly soluble

PERCENT SOLIDS BY WEIGHT: < 30%

PERCENT VOLATILE: 75 +/- 5%

VISCOSITY: 100 cps (water like consistency)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): avoid high temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): humidity, water, strong oxidizing agents, combustible materials such cotton waste etc.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: decomposition products such carbon dioxide, carbon monoxide, oxides of nitrogen

HAZARDOUS POLYMERIZATION: None known

SECTION 11: TOXICOLOGICAL INFORMATION



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TOXICOLOGICAL INFORMATION: please see section 2

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

No data available on the final product.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose waste in accordance with federal, State and local laws and regulations. Incineration may be the preferred method. Empty containers must be handled with care due to product residue. Do not heat or cut the empty containers with electric or gas torch.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

Ground: Not regulated

WATER TRANSPORTATION (IMDG)

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

ID NUMBER: UN1263

PACKING GROUP: III

LABEL STATEMENTS: FLAMMABLE LIQUID

AIR TRANSPORTATION (IATA)

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

ID NUMBER: UN1263

PACKING GROUP: III

LABEL STATEMENTS: FLAMMABLE LIQUID

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients used for the product are listed in TSCA Inventory

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none known

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: acute hazard, fire hazard

313 REPORTABLE INGREDIENTS: 1.2.4 Trimethylbenzene CAS 95-63-6

STATE REGULATIONS:

California Proposition: None Known

SECTION 15 NOTES: This product contains Petroleum Aromatic Naphtha solvent. The solvent contains 1, 2, 4 trimethylbenzene (cas# 95-63-6).

SECTION 16: OTHER INFORMATION



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OTHER INFORMATION:

WHMIS Rating (Canada): Class B, Division 3, Class D, Division 2, Subdivision B.

PREPARATION INFORMATION: 3/14/2012

DISCLAIMER: A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.

The opinions expressed herein are those of qualified experts within Pacific Polymers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Pacific Polymers final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.