

MATERIAL SAFETY DATA SHEET



CONSEAL™
 Concrete Sealants INC.

CS-90 Part A
 Fuel Resistant Epoxy System

PRODUCT INFORMATION

PRODUCT NAME: CS-90 Part A
PRODUCT DESCRIPTION: Fuel Resistant Epoxy System

HAZARDOUS INGREDIENTS

INGREDIENT:	PERCENT:	HAZARD DATA
(CHLOROMETHYL) OXIRANE, 4,4 – (1-METHYLETHYLIDENE) BISPHENOL COPOLYMER (25068-38-6)	23	SEE EFFECTS OF OVEREXPOSURE
METHOXYPROPANOL (107-98-2)	3	SEE EFFECTS OF OVEREXPOSURE
BENZYL ALCOHOL (100-51-6)	1.5	SEE EFFECTS OF OVEREXPOSURE
POLYETHYLENE GLYCOL, DIGLYCIDYL BISPHENOL A POLYMER (37225-26-6)	1.5	SEE EFFECTS OF OVEREXPOSURE
NONHAZARDOUS COMPONENTS WATER (7732-18-5)	56	
BISPHENOL A- EPICHLOROHYDRIN RESIN (25068-38-6)	15	

PHYSICAL DATA

PHYSICAL DATA	LOW	HIGH	UNITS	COMMENTS
DENSITY	1.1		G/CM3	@25 DEG C
SOLUBILITY IN WATER				MISCIBLE
VISCOSITY	350	650	MPAS	DIN 53 010/25 C

APPEARANCE AND ODOR: WHITISH LIQUID WITH A SLIGHT ODOR

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 100°C DIN 51758

Extinguishing Media: CARBON DIOXIDE, WATER SPRAY, FOAM OR DRY CHEMICAL.

Unusual Hazards: EMITS TOXIC FUMES UNDER FIRE CONDITIONS

Special Procedures: USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

HEALTH INFORMATION

PRIMARY ROUTE OF EXPOSURE: INHALATION: YES SKIN ABSORPTION: YES INGESTION: YES

EFFECTS OF OVEREXPOSURE:

INHALATION: NO SPECIFIC INFORMATION, MAY CAUSE IRRITATION. CONTAINS PROPYLENE GLYCOL MONOMETHYL ETHER WHICH MAY CAUSE IRRITATION, HEADACHE, NAUSEA, DIZZINESS, CONTAINS BENZYL ALCOHOL WHICH MAY

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CAUSE IRRITATION, HEADACHE, DULLNESS, NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL PAIN. CONTAINS EPOXY RESINS WHICH MAY CAUSE RESPIRATORY SENSITIZATION AND ALLERGIC REACTIONS, SKIN CONTACT: NO SPECIFIC INFORMATION. MAY CAUSE IRRITATION. CONTAINS PROPYLENE GLYCOL MONOMETHYL ETHER AND BENZYL ALCOHOL WHICH MAY CAUSE IRRITATION, REDNESS, PAIN. SKIN ABSORPTION: NO SPECIFIC INFORMATION. CONTAINS PROPYLENE GLYCOL MONOMETHYL ETHER WHICH MAY BE ABSORBED THROUGH THE SKIN TO CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. CONTAINS BENZYL ALCOHOL WHICH MAY BE ABSORBED THROUGH THE SKIN TO CAUSE HEADACHE, NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN.

BENZYL ALCOHOL COMPONENT MAY ALSO CAUSE SENSITIZATION IN PREVIOUSLY EXPOSED INDIVIDUAL. CONTAINS EPOXY RESINS WHICH MAY CAUSE SENSITIZATION. SWALLOWING: NO SPECIFIC INFORMATION. CONTAINS PROPYLENE GLYCOL MONOMETHYL ETHER WHICH MAY CAUSE DYSPNEA, SOMNOLENCE, ATAZIA AND ABDOMINAL PAIN. EYE CONTACT: NO SPECIFIC INFORMATION, MAY CAUSE SEVERE IRRITATION. CONTAINS BENZYL ALCOHOL WHICH MAY CAUSE SEVERE IRRITATION, CLOUDING OF THE CORNEA, REDNESS, PAIN AND TEARING, CHRONIC: CONTAINS PROPYLENE GLYCOL MONOMETHYL ETHER WHICH MAY CAUSE REPRODUCTIVE EFFECTS.

TOXICITY TEXT: NO DATA FOUND FOR THE PRODUCT MIXTURE, THE FOLLOWING IS FOR COMPONENTS. PROPYLENE GLYCOL MONOMETHYL ETHER: 3000 PPM INHAL-HUMAN TCLO, 5660 MG/KG ORAL-RAT LD50, 13 GM/KG SKIN-RABBIT LD50. BENZYL ALCOHOL: 2000 PPM/4HRS INHALATION-RAT LCLO, 2000 MG/KG SKIN RABBIT LD50, 1230 MG/KG ORAL-RAT LD50, 100 MG/24 HRS SKIN-RABBIT MODERATE IRRITANT CARCINOGEN: IARC:NO NTP:NO OSHA:NO

OCCUPATIONAL EXPOSURE LIMITS

TEXT: PROPYLENE GLYCOL MONOMETHYL ETHER: OSHA: 100PPM TWA, 150 PPM STEL ACGIH: 100 PPM TWA, 150 PPM STEL

EMERGENCY AND FIRST AID PROCEDURE

Inhalation: Consult Physician if irritation of respiratory passages occurs.

Eye contact: Flush with large quantities of water for at least 15 minutes, alternately lifting

Skin contact: Remove contaminated clothing do not reuse until laundered. Flush affected area with large amounts of water for at least 15 minutes. If irritation occurs, seek medical attention.

Ingestion: If person is conscious, give water or milk to dilute stomach contents. Consult physician.

REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High Temperatures, Fire conditions

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate carbon monoxide and carbon dioxide.

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Wearing appropriate personal protective equipment, contain spill, pick up spilled material with sorbent. Place soiled sorbent and product into contained suitable for transportation and disposal

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Waste Disposal: Product and soiled sorbents may be incinerated. Dispose of in accordance with federal, state and local regulations.

CONTROL MEASURES

Respiratory Protection: Use NIOSH/MSHA approved chemical cartridge respirator for exposures up to 10 times the exposure limit. For higher concentrations, as well as firefighting and emergency situations, wear positive pressure self contained breathing apparatus. Protective clothing: Clothing suitable to prevent skin contact, safety goggles, chemical resistant gloves. Additional protective measures: Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits. Eye wash and safety shower to be available.

SPECIAL PRECAUTIONS

Use good housekeeping and hygiene practices, keep work area clean and wash after handling.

OTHER REGULATORY CONTROLS

Other regulatory controls: This product is on the TSCA inventory. This product contains the toxic chemical of chemicals listed below which are subject to the supplier notification requirements of section 313 of the superfund amendments and reauthorization act of 1986 ("SARA") and the requirements of 40 CFR Part 372. This notice must not be detached from the foregoing MSDS. If the MSDS is copied for any reason, including distribution, this notice must accompany all redistributed MSDS'. Failure to do so may subject you to penalties under law. This product contains Propylene Glycol Monomethyl Ether (107-98-2), 7%

OSHA HEALTH HAZARDS:

EYE HAZARD
IRRITANT
KIDNEY TOXIN