



ITW-RAMSET EPCON SYSTEM HARDENER

MSDS Number

CBCCV

National Stock Number

8010-00N042081

Product Name

ITW-RAMSET EPCON SYSTEM HARDENER

Manufacturer

ITW PHILADELPHIA RESINS CORP

Product Identification

Product ID:ITW-RAMSET EPCON SYSTEM HARDENER

MSDS Date:11/23/1994

FSC:8010

NIIN:00N042081

MSDS Number: CBCCV

Responsible Party

ITW-PHILADELPHIA RESINS CORP

130 COMMERCE DR

MONTGOMERYVILLE , PA 18936

US

Emergency Phone: 215-855-8450

Info Phone: 215-855-8450

Cage: IO181

Contractor

ITW PHILADELPHIA RESINS CORPORATION

MONTGOMERYVILLE, PA 18936

US

215-855-8450

Cage: OSFY9

Ingredients

(ORAL,RAT) >5,000 MG/KG

Fraction By Weight: 10-30%

OSHA PELN/K

ACGIH TLV: N/K

SILICON DIOXIDE (AMORPHOUS); (AMORPHOUS SILICA, SILICON

CAS: 67762-90-7

Fraction By Weight: 1-5%

OSHA PEL6 MG/M3

ACGIH TLV: 10 MG/M3

TALC (POWDER) CONTAINING NO ASBESTOS FIBERS; (MAGNESIUM

CAS: 14807-96-6



RTECS: WW2710000

Fraction By Weight: 1-5%

OSHA PEL0.2 FIBERS/CC

ACGIH TLV: 0.2 FIBER/CC, A1

FIBERGLASS (FIBROUS GLASS); (GLASS OXIDE)

CAS: 65997-17-3

Fraction By Weight: 60-70%

OSHA PEL5 MG/M3 RESP DUST

ACGIH TLV: 10 MG/M3 (

ALUMINUM OXIDE (SARA 313)

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight: 1-5%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

PERSONS PERFORMING THIS WORK SHOULD WEAR ADEQUATE

RTECS: 9999999ZZ

IN HNDLG PROD IN CONFINED AIR SPACE, USE NIOSH/MSHA

RTECS: 9999999ZZ

AND FULL LENGTH FACESHIELD

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:SEE INGREDIENT 1

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:SKIN:MAY CAUSE SEVERE SKIN IRRIT/BURNS. SKIN ABSORP:MAY BE SLIGHTLY TOXIC. EYE:MAY RESULT IN SEVERE IRRIT/BURNS. MAY CAUSE PERM DMG.

INHALATION:MERCAPTAN-SLIGHTLY TOXIC, BUT MAY BE IRRITATING W/N ARCOTIC EFTS. POSS LUNG INJURY & CHEM PNEUM. FILLERS (SEE INGRED SECTION) ARE BLENDED INTO MERCAPTAN. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:THE INHALATION HAZARDS DO NOT APPLY UNLESS CURED PROD IS GROUND/MACHINED TO PRDCE DUST.

INGESTION:SLIGHTLY TOX. MAY CAUSE NAUS & VOMIT. MAY BE HARMFUL IF SWALLOWED IN LG QTYS. SIGNS & SYMPS:MAY CAUSE SKIN, EYE & RESP TRACT IRRIT, NAUS, & VOMIT. CHRONIC:POSSIBLE DELAYED LUNG INJURY AND CHEMICAL PNEUMONIA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE:IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS WHILE HOLDING EYELIDS OPEN. GET MED ATTN. SKIN:IMMED REMOVE CONTAMD CLTHG. WIPE EXCESS FROM SKIN & FLUSH W/PLENTY OF WATER FOR @ LEAST 15 MINS. USE SOAP IF AVAIL/FOLLOW BY WASHING W/SOAP & WATER. DO NOT REUSE CLTHG UNTIL THORO CLEANED. GET MED ATTN. CONTAMD LEATHER ARTICLES INCLDG SHOES. CANNOT BE DECONTAMD & SHOULD BE DESTROYED.



Fire Fighting

Flash Point: >200F, >93C
Extinguishing Media: WATER SPRAY, DRY CHEMICAL, "ALCOHOL FOAM", OR CO*2.
Fire Fighting Procedures: NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP . USE WATER TO KEEP FIRE-EXPOSED CNTNRS COOL. IF SPILL IS IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS.
Unusual Fire/Explosion Hazard: NONE KNOWN.

Accidental Release

Spill Release Procedures: AVOID PERSONAL CONT. COVER SPILL AREA W/ALCOHOL FOAM TO SUPPRESS VAPORIZATION. CLEAN UP SPILL IMMED. SCRAPE UP AS MUCH OF SPILL AS POSS & PLACE INTO CLSD CNTNR. LBL, & REMOVE TO SAFE PLACE OUT OF DOOR S TO AWAIT PROPER DISP. SPRINKLE LIBERAL (SUPDAT)
Neutralizing Agent: POTASSIUM PERMANGANATE.

Handling

Handling and Storage Precautions: STORE IN A COOL DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAME & HIGH TEMPERATURES.
Other Precautions: PRACTICE GOOD HOUSEKEEPING PROCEDURES TO AVOID ALL SKIN CONTACT AND BREATHING OF VAPORS.

Exposure Controls

Respiratory Protection: NIOSH/MSHA APPROVED INDUSTRIAL CANISTER TYPE GAS MASK OR ORGANIC VAPOR CARTRIDGE RESPIRATOR.
Ventilation: GOOD INDUST HYGIENE PRACT DICTATES WORK AREA BE PROVIDED W/ADEQ LOC EXHAUST VENT/OTHER CONTROLS TO PVNT IRRIT. (ING 7)
Protective Gloves: IMPERVIOUS RUBBER OR PLASTIC.
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (ING 8).
Other Protective Equipment: WEAR CLEAN LONG LEG & SLEEVED CLOTHING. ANSI APPROVED EMERGENCY EYE WASH & DELUGE SHOWER .
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING, AND BEFORE SMOKING, EATING OR USING TOILET FACILITIES.
Supplemental Safety and Health
SPILL RELEASE: AMT OF POTASSIUM PERMANGANATE OVER SPILL AREA TO REACT W/SPILL RESIDUE. IF NEEDED, SPRINKLE AREA W/WATER TO AID RXN. AFTER 1 HR, SOAK UP W/INORG ABSORB MATL & PLACE ABSORB MATL & CONTAMD SOIL IN CLSD CNTNR, LBL, & REMOVE TO SAFE PLACE TO AWAIT PROPER DISP. THEN FLUSH SPILL W/PLENTY OF WATER. (ING 6)

Chemical Properties

Spec Gravity: 1.9 (WATER =1)
Evaporation Rate & Reference: NOT KNOWN
Solubility in Water: INSOLUBLE
Appearance and Odor: BROWN PASTE WITH MERCAPTAN ODOR.
Percent Volatiles by Volume: 0.3MAX

Stability

Stability Indicator/Materials to Avoid: YES
CAN REACT VIGOROUSLY W/STRONG OXIDIZING AGENTS. EPOXY RESINS IN UNCONTROLLED AMTS & AMINE MIXTURES, ESPECIALLY WHEN HOT.
Stability Condition to Avoid: STABLE UNDER MOST INDUSTRIAL CONDITIONS.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN AND SULFUR ON BURNING.

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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