

PLASTIC STEEL 5-MINUTE PUTTY (SF) RESIN, 10240

MSDS Number

CJJFG

National Stock Number

8030-00N039846

Product Name

PLASTIC STEEL 5-MINUTE PUTTY (SF) RESIN, 10240

Manufacturer

ITW DEVCON

Product Identification

Product ID: PLASTIC STEEL 5-MINUTE PUTTY (SF) RESIN, 10240

MSDS Date: 12/08/1998

FSC: 8030

NIIN: 00N039846

Status Code: A

MSDS Number: CJJFG

Responsible Party

ITW DEVCON

30 ENDICOTT ST

DANVERS, MA 01923

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 978-777-1100

Cage: 16059

Contractor

ITW DEVCON

DANVERS, MA 01923-3712

US

978-777-1100

Cage: 0RZG3

Ingredients

CARBON BLACK

CAS: 1333-86-4

RTECS: FF5800000

OSHA PEL 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3

BISPHENOL A EPOXY RESIN; (BISPHENOL A DIGLYCIDYL ETHER

CAS: 25068-38-6

RTECS: CE6880000

OSHA PEL N/K

ACGIH TLV: N/K

Hazards

LD50 LC50 Mixture:SEE TOXICOLOGICAL INFORMATION.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SYMPTOMS OF OVEREXPOSURE: SKIN:
MODERATE IRRITANT. CONTACT AT ELEVATED TEMPERATURES CAN CAUSE
THERMAL BURNS. MAY CAUSE SKIN SENSITIZATION (RASHES, HIVES). EYES:
MODERATE IRRITANT. CONTACT AT ELEVATED TEMPERATURES CAN CAUSE
THERMAL BURNS. INHALATION: THE LOW VAPOR PRESSURE OF THE RESIN
MAKES INHALATION UNLIKELY IN NORMAL USE. INGESTION: ACUTE ORAL
TOXICITY IS LOW. MAY CAUSE GASTRIC DISTRESS. CHRONI C OVEREXPOSURE:
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SENSITIZATION, WITH
ITCHING, SWELLING, OR RASHES ON LATER EXPOSURE.
Explanation of Carcinogenicity:CARBON BLACK: IARC MONOGRAPHS, VOLUME
65, PAGE 149, 1996: GROUP 2B. ANIMAL: LUNG.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:PREEXISTING EYE AND SKIN DISORDERS.
DEVELOPMENT OF PREEXISTING SKIN OR LUNG ALLERGY SYMPTOMS MAY
INCREASE.

First Aid

First Aid:EYES: FLUSH W/CLEAN WATER FOR AT LEAST 15 MINUTES WHILE
GENTLY HOLDING EYELIDS OPEN. GET IMMED MEDICAL ATTENTION. SKIN:
IMMEDIATELY REMOVE CONTAMINATED CLOTHING & EXCESS CONTAMINANT.
FLUSH SKIN W/WATE R. WASH THOROUGHLY W/SOAP & WARM WATER. CONSULT
MD IF IRRITATION DEVELOPS. INHAL: REMOVE PATIENT TO FRESH AIR.
ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION
IF SYMPTOMS PERSIST. I NGEST: DO NOT INDUCE VOMITING. GIVE TWO
GLASSES OF WATER TO DILUTE IF PATIENT IS CONSCIOUS. GET MEDICAL
ATTENTION. NOTE TO MD: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY
IN HIGH VISCOSITY, LOW VOLATI LITY PRODUCTS, E.G., NEAT EPOXY
RESINS.

Fire Fighting

Flash Point Method:PMCC
Flash Point:>204.4C, 400.F
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE
EQUIPMENT . MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER
CONFINED SPACE WITHOUT FULL BUNKER GEAR. COOL FIRE-EXPOSED
CONTAINERS WITH WATER.
Unusual Fire/Explosion Hazard:HEATING ABOVE 300F IN THE PRESENCE OF AIR
MAY CAUSE SLOW OXIDATIVE DECOMPOSITION AND ABOVE 500F MAY CAUSE
POLYMERIZATION. HAZARDOUS PRODUCTS OF COMBUSTION: WHEN HEATED TO
DECOMPOSITION IT EMITS FUMES OF CL-, CARBON MONOXIDE, OTHER FUMES
AND VAPORS VARYING IN COMPOSITION AND TOXICITY.

Accidental Release

Spill Release Procedures:AVOID PERSONAL CONTACT. ELIMINATE IGNITION
SOURCES. VENTILATE AREA. DIKE, CONTAIN & ABSORB W/CLAY, SAND/OTHER
SUITABLE MATERIAL. FOR LARGE SPILLS, PUMP TO STORAGE/SALVAGE
VESSELS. SOAK UP RESIDUE W/AB SORBENT SUCH AS CLAY, SAND/OTHER
SUITABLE MATERIAL & DISPOSE OF PROPERLY. FLUSH AREA W/WATER TO
REMOVE TRACE RESIDUE. PREVENT SPILL FROM ENTERING DRAINAGE/SEWER
SYSTEMS, WATERWAYS, & SURFACE WATERS.

Handling

Handling and Storage Precautions:AVOID CONTACT WITH SKIN, EYES, OR
CLOTHING. HANDLE MIXED RESIN AND HARDENER IN ACCORDANCE WITH THE
POTENTIAL HAZARD OF THE CURING AGENT USED. STORE IN A COOL, DRY
AREA AWAY FROM HIGH TEMPERATURES AND FLAMES.
Other Precautions:PROVIDE APPROPRIATE VENTILATION/NIOSH APPROVED
RESPIRATORY PROTECTION AGAINST DECOMPOSITION PRODUCTS DURING
WELDING/FLAME CUTTING OPERATIONS AND TO PROTECT AGAINST NUISANCE
DUST DURING SANDING/GRINDIN G OF CURED PRODUCT.

Exposure Controls

Respiratory Protection:NONE REQUIRED AT NORMAL HANDLING TEMPERATURES

AND CONDITIONS. USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGES FOR UNCURED RESIN AND NIOSH APPROVED DUST/PARTICLE RESPIRATORS DURING GRINDING/SANDING OPERATIONS OF CURED RESIN AS EXPOSURE LEVELS DICTATE.

Ventilation: LOC EXHAUST VENT IS PREFERRED ALTHOUGH GOOD GEN MECH VENT IS USUALLY ADEQ FOR MOST INDUS APPLICATIONS. LOC EXHAUST IS RECOMMENDED FOR CONFINED AREAS.

Protective Gloves: CHEMICAL-RESISTANT GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . OTHER GEAR AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices: WASH THOROUGHLY WITH SOAP & WATER AFTER USING & ESP BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS/USING TOILET FACILITIES. LAUNDRY CONTAM CLOTHING & PROT GEAR BEFORE REUSE. DISCARD CONTAM LEATHER ARTICLES.

Supplemental Safety and Health

PHYSICAL/CHEMICAL PROPERTIES: PH (5% SOLUTION OR SLURRY IN WATER): NEUTRAL; VOC (GRAMS/LITER): 0; PERCENT SOLIDS BY WEIGHT: 100.

CONDITIONS TO AVOID (POLYMERIZATION): GENERATING UNIDENTIFIED FUMES AND VAPORS WHICH MAY BE TOXIC.

Chemical Properties

Boiling Pt: >260.C, 500.F

Vapor Pres: 0.03 MM HG @ 171F

Vapor Density: >1 (AIR=1)

Spec Gravity: 2.8

pH: SUP DAT

Evaporation Rate & Reference: Solubility in Water: NEGLIGIBLE

Appearance and Odor: DARK GRAY PASTE WITH LITTLE ODOR.

Percent Volatiles by Volume: 0

Stability

Stability Indicator/Materials to Avoid: YES

STRONG LEWIS OR MINERAL ACIDS, STRONG OXIDIZING AGENTS, STRONG MINERAL AND ORGANIC BASES (ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES).

Stability Condition to Avoid: OPEN FLAME AND EXTREME HEAT.

Hazardous Decomposition Products: OXIDES OF CARBON; ALDEHYDES, ACIDS AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION OR ELEVATED TEMPERATURE (>500F) DEGRADATION.

Conditions to Avoid Polymerization: HEAT IS GENERATED WHEN RESIN IS MIXED WITH CURING AGENTS; RUN-A-WAY CURE REACTIONS MAY CHAR & DECOMPOSE THE RESIN, (SUP DAT)

Disposal

Waste Disposal Methods: PLEASE SEE ALSO REGULATORY INFORMATION SECTION. IF THIS RESIN BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). DISPOSE OF ACCORDING TO APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

Toxicology

Toxicological Information: ACUTE ORAL EFTS: LD50 (RAT): NOT AVAIL. ACUTE DERMAL EFTS: LD50 (RABBIT): NOT AVAIL. ACUTE INHAL EFTS: LC50 (RAT): NOT AVAIL. EYE IRRIT: NOT AVAIL. SUBCHRONIC EFTS: NO DATA AVAIL. CARCINOGENICITY, TERATOGENICITY, & MUTAGENICITY: BOTH RESIN & DIGLYCIDYL ETHER OF BISPHENOL A (A COMPONENT OF THIS PROD) HAVE PROVED TO BE INACTIVE WHEN TESTED BY IN VIVO MUTAGENICITY ASSAYS. BOTH HAVE SHOWN ACTIVITY BY IN VITRO MICROBIAL MUTAGENICITY SCREENING & HAVE PRODUCED CHROMOSOMAL ABERRATIONS IN CULTURED RAT LIVER CELLS. OTHER CHRONIC EFTS: 2-YR BIOASSAYS IN MICE EXPOSED BY DERMAL RTE TO EPON 828, DGEBA/OTHER COMMERCIAL RESINS YIELDED (OTHER INFO)

Other Information

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

Ecology

Ecological:ECOTOXICITY: NO DATA AVAILABLE. MOBILITY AND PERSISTENCE: NO DATA AVAILABLE. ENVIRONMENTAL FATE: NO DATA AVAILABLE.

Transport

Transport Information:PROPER SHIPPING NAME: NON-REGULATED. TECHNICAL NAME: N/A. HAZARD CLASS: N/A. UN NUMBER: N/A. PACKING GROUP: N/A. EMERGENCY RESPONSE GUIDE NUMBER: N/A. IMDG PAGE NUMBER: N/A. OTHER: N/A.

Regulatory

SARA Title III Information:FOR PURPOSES OF SARA SECTION 312 HAZARDOUS MATERIALS INVENTORY REPORTING, THE FOLLOWING HAZARD CLASSES APPLY TO THIS MATERIAL: IMMEDIATE HEALTH HAZARD - DELAYED HEALTH HAZARD. Federal Regulatory Information:U.S. FED REGS: ALL INGS OF THIS PROD ARE LISTED/ARE EXEMPT FROM LISTING, ON TSCA INVENTORY. EXPORT NOTIFICATION IS REQUIRED UNDER TSCA SEC 12B (SEE BELOW). THE FOLLOWING RCRA CODE(S) APPLIES TO THIS M ATL IF IT BECOMES WASTE: NONE. REGULATORY STATUS OF HAZ CHEM CONSTITUENTS OF THIS PROD: CARBON BLACK: EXTREMELY HAZ (*): NO; TOX CHEM (**): NO; CERCLA RQ (LBS): 0.0; TSCA 12B EXPORT NOTIFICATION: NOT REQUIRED. BISPHENOL A DIGLYCIDYL ETHER RESIN: EXTREMELY HAZ (*): NO; TOX CHEM (**): NO; CERCLA RQ (L BS): 0.0; TSCA 12B EXPORT NOTIFICATION: REQUIRED. * CONSULT APPROP REGS FOR EMER PLANNING & RELEASE REPORTING REQS FOR (STATE REGS)

State Regulatory Information:FED REGS: SUBSTANCES ON SARA SECTION 301 EXTREMELY HAZ SUBSTANCES LIST. ** SUBSTANCES FOR WHICH "TOX CHEM" COLUMN IS MARKED "YES" ARE ON SARA SECTION 313 LIST OF TOX CHEMS, FOR WHICH RELEASE REPORTING MAY BE REQUIRED. FOR SPECIFIC REQS, CONSULT APPROP REGS. CANADIAN REGS: WHMIS HAZ CLASS(ES): D2B, D2A. ALL COMPONENTS OF THIS PROD ARE ON THE DOMESTIC SUBSTANCES LIST.