

THERMOPOXY U-958, 83-534

MSDS Number

BLKSB

National Stock Number

3970-00N021199

Product Name

THERMOPOXY U-958, 83-534

Manufacturer

STERLING GROUP

Product Identification

Product ID:THERMOPOXY U-958, 83-534

MSDS Date:10/26/1988

FSC:3970

NIIN:00N021199

MSDS Number: BLKSB

Responsible Party

STERLING GROUP

9 OHIO RIVER BLVD

SEWICKLEY , PA 15143

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 412-766-7600

Preparer: MARK DUBOIS

Cage: IO079

Contractor

STERLING GROUP

SEWICKLEY, PA 15143

US

412-766-7600

Cage: IO079

Ingredients

PROPANE, 1-(P-TERT-BUTYLPHENOXY)-2,3-EPOXY-; (BUTYL PHENYL

CAS: 3101-60-8

RTECS: TX4250000

Fraction By Weight: 1-10%

KAOLIN

CAS: 1332-58-7

RTECS: GF1670500

Fraction By Weight: 20-30%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 2 MG/M3 TDUST; 9293

TREATED CLAY (ORGANOPHILIC CLAY)

CAS: 71011-27-3

Fraction By Weight: 1-10%

OSHA PEL10MG/M3 PPM (TDUST)

ACGIH TLV: 10MG/M3 PPM (TDUST)

IRON OXIDE

CAS: 1309-37-1

RTECS: NO7400000

Fraction By Weight: 1-10%

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5 MG/M3(FE),B2; 9293

Hazards

LD50 LC50 Mixture:LD50 (RAT):>400MG/KG

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

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

Health Hazards Acute and Chronic:A POORLY CHARACTERIZED SAMPLE OF LOW MOLECULAR WEIGHT EPOXY RESIN OF THIS TYPE (DIGLYCIDYL ETHER OF BISPHENOL A) HAS BEEN REPORTED TO PROD SKIN CANCER IN A HIGHLY SENSITIVE STRAIN OF MICE. EPOXY RESIN IS NOT BELIEVED TO BE A CANCER HAZARD.ACUTE:EYE CONTACT MAY CAUSE IRRIT. SKIN CONTACT MAY (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:CAUSE IRRIT. VAP MAY CAUSE IRRIT OF EYES, NOSE AND THROAT. CHRONIC:MAY CAUSE ALLERGIC SKIN REACTION IN SUSCEPTIBLE INDIVIDUALS. MAY CAUSE SENSIT W/REPEATED OR PROLONGED CONTACT. INHAL:VAP AT HIGH TEMP CAN CAUSE IRRIT. SKIN ABSORPTION:A SINGLE PROLONGED EXPOS IS NOT LIKELY TO RESULT IN MATL BEING (SUPP DATA)

Medical Cond Aggravated by Exposure:NONE KNOWN.

First Aid

First Aid:INHAL:REMOVE TO WELL VENTILATED AREA. IF DIFFICULTY NOTED IN BREATHING, GET MD ATTENTION AT ONCE. SKIN:WASH IMMEDIATELY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; DO NOT REUSE UNTIL CLEANED. INGEST:CALL MD IMMEDIATELY. EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL MD .

Fire Fighting

Flash Point Method:SCC

Flash Point:>200F,>93C

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:FIREFIGHTER SHOULD WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT TO AVOID INHALATION OF SMOKE OR VAPORS.

Unusual Fire/Explosion Hazard:NONE KNOWN.

Accidental Release

Spill Release Procedures:VENT AREA. WEAR PROTECTIVE EQUIPMENT DURING CLEANUP. ABSORB SPILL WITH NON-BIODEGRADABLE, NONCOMPRESSABLE ABSORBENT AND PLACE IN CLOSED CONTAINER. IF LARGE SPILL, DIKE AREA TO PREVENT MATERIAL FROM ENTERING WATER SYSTEMS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:AVOID PRLNG/RPTD INHAL OF SPRAY MISTS/HEATED VAP. USE ADEQUATE VENT. AVOID PRLNG/RPTD SKIN CONTACT. AVOID WARM STORAGE. KEEP CONTR CLOSED.

Other Precautions:CONSULT PRODUCT BULLETIN PRIOR TO USING THIS

MATERIAL.

Exposure Controls

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED IF MATERIAL IS USED IN POORLY VENTILATED AREAS OR IF MATERIAL IS SPRAYED OR HEATED.

Ventilation: GENERAL VENTILATION IF RECOMMENDED. LOCAL VENTILATION MAY BE REQUIRED IF MATERIAL IS SPRAYED OR HEATED.

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: AS REQUIRED TO PREVENT SKIN CONTACT. SAFETY SHOWER AND AN EYE WASH STATION SHOULD BE AVAILABLE.

Work Hygienic Practices: PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID SKIN AND EYE CONTACT.

Supplemental Safety and Health

EFFECTS OF OVEREXPOSURE: ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. INGESTION: SINGLE DOSE ORAL TOXICITY TO THE EPOXY RESIN IS LOW. NO HAZARDS

ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE. WASTE DISPOSAL METHOD: CURRENT FEDERAL, STATE AND LOCAL REGULATIONS RCRA

HOTLINE: 800-424-0340.

Chemical Properties

HCC: N1

Boiling Pt: B.P. Text: >212F, >100C

Spec Gravity: 1.4

Solubility in Water: INSOLUBLE

Appearance and Odor: RED LIQUID WITH A MILD ODOR.

Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, BASES, ACIDS AND AMINES.

Stability Condition to Avoid: EXCESSIVE HEATING OVER LONG PERIODS OF TIME DEGRADES THE RESIN.

Hazardous Decomposition Products: BY-PRODUCTS EXPECTED IN PYROLYSIS OR COMBUSTION OF EPOXY RESIN ARE MAINLY PHENOLICS, CO₂ AND WATER.

Disposal

Waste Disposal Methods: AT THIS TIME, THIS MATERIAL/ITS CONTAINERS WOULD NOT BE CONSIDERED HAZARDOUS WASTES AS DEFINED UNDER FED RCRA REGS (40 CFR 261) IF DISCARDED. CARE SHOULD BE TAKEN TO ENSURE THAT MATERIAL/ITS CONTAINERS ARE DISPOSED OF IN AN APPROVED FACILITY IN ACCORDANCE WITH (SUPPORT DATA)

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