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ELECTROCATALYTIC INC -- CAPASTIC PART B (HARDNER) -- 3426-01-089-8047

Product ID:CAPASTIC PART B (HARDNER) MSDS Date:05/01/1999 FSC:3426 NIIN:01-089-8047 Status Code:A MSDS Number: CLMRY === Responsible Party === Company Name: ELECTROCATALYTIC INC Address:2 MILLTOWN CT **City:UNION** State:NJ ZIP:07083 Country:US Info Phone Num:908-851-2277 Emergency Phone Num:908 551 -227 800-424-9300 Resp. Party Other MSDS Num.: PFS96005 Chemtrec Ind/Phone:(800)424-9300 CAGE:89357 === Contractor Identification === Company Name: ELECTROCATALYTIC INC Address:2 MILLTOWN CT Box:City:UNION State:NJ ZIP:07083 Country:US Phone:908-851-2277 CAGE:89357 Company Name: KAMPI COMPONENTS CO., INC. Address:210 RT 13 Box:721 City:BRISTOL State:PA ZIP:19007-3517 Country:US Phone:215-736-2000 Contract Num:SP0490-01-M-XC70 CAGE:7Z016

======= Composition/Information on Ingredients ======

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Ingred Name:PHENOL CAS:108-95-2 RTECS #:SJ3325000 &It; Wt:1. OSHA PEL:19 MG/M3;5 PPM ACGIH TLV:19 MG/M3;5 PPM EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:COLLOIDAL SILICA (AMORPHOUS) CAS:112945-52-5 RTECS #:VV7310000 Minumum % Wt:5. Maxumum % Wt:20.

Ingred Name:DIETHYLENETRIAMINE CAS:111-40-0 RTECS #:IE1225000 Minumum % Wt:5. Maxumum % Wt:20. ACGIH TLV:4.2 MG/M3:1 PPM

LD50 LC50 Mixture:ORAL LD50 FOR RATS

> 5,000 MG/KG

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

Health Hazards Acute and Chronic:ROUTES OF ENTRY: EYE

CONTACT/INGESTION/SKIN CONTACT. TARGET ORGANS: EYES/SKIN. HEALTH HAZARDS: MAY CAUSE MODERATE SKIN INJURY OR AN ALLERGIC SKIN REACTION WITH CERTAIN INDIVIDUALS.

Explanation of Carcinogenicity: DOES NOT CONTAIN CHEMICALS CONSIDERED TO BE CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:EYE: MAY CAUSE EYE INJURY WHICH MAY PERSIST FOR SEVERAL DAYS

, CORNEAL INJURY IS UNLIKELY. SKIN: REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION AND IN SOME CASES, AN ALLERGIC SKIN REACTION IS POSSIBLE. IN HALATION: VAPORS ARE UNLIKELY DUE TO ITS PHYSICAL PROPERTIES, EXCEPT WHEN HEATED TO HIGH TEMPERATURES WHICH CAN GENERATE VAPORS THAT COULD CAUSE HEADACHES, NAUSEA OR RESPIRATORY IRRITATION IF INHALED. REPEATED AND/OR PROLONGED EXPOSURE TO LOW CONCENTRATIONS OF VAPORS MAY CAUSE SORE THROAT, EYE IRRITATION OR SENSITIZATION OF THE R ESPIRATORY TRACT AND THE DEVELOPMENT OF AN ASTHMATIC REACTION TO FURT HER EXPOSURE. Medical Cond Aggravated by Exposure:ASTHMA, CHRONIC RESPIRATORY DISEASES, EYE DISEASES, SKIN DISORDERS AND ALLERGIES.

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION IMMEDIATELY. PREFERABLE AN OPHTHALMOLOGIST. SKIN: IMMEDIATELY FLUSH SKIN AT LEAST 15 MINUTES. REMOVE CONTAMINATE

D C LOTHING AND SHOES. OBTAIN MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. DISCARD CONTAMINATED LEATHER APPAREL. INHALATION: REMOVE PERSON TO FRESH AIR. IF BREATHING STOPPED, QUALIFIED PERSONNEL ADMINIS TER RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL. OBTAIN MEDICAL ATTENTION PROMPTLY. INGESTION: IF PATIENT IS CONSCIOUS, GIVE 3-4 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTN.

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Flash Point Method:TCC Flash Point:=79.4C, 175.F Extinguishing Media:WATER FOG, FOAM, CO2, DRY CHEMICAL. Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS, AND PROPER PROTECTING GEAR WHEN ENTERING CONFINED AREAS WHERE THE POTENTIAL OF EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION EXIST. Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. CLOSED CONTAINERS MAY RUPTURE WHEN EXPOSED TO HIGH HEAT.

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Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND BUTYL RUBBER PROTECTIVE CLOTHING. STOP LEAK IF POSSIBLE. VENTILATE THE AREA. REDUCE VAPOR SPREADING WITH WATER SPRAY. IF CLEAN UP IS NOT POSSIBLE, MIX WITH DRY SOIL OR NON-REACTIVE ABSORBENT MATERIAL AND PLACE IN A CONTAINER, PENDING DISPOSAL. COLLECT RUN-OFF WATER FOR DISPOSAL.

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A COOL, DRY PLACE. FLUSH EMPTY CONTAINERS WITH WATER. KEEP CONTAINERS CLOSED UNTIL READY FOR USE. AVOID BREATHING FUMES; PROVIDE ADEQUATE VENTILATI ON.

Respiratory Protection:DISPOSABLE CARTRIDGE RESPIRATOR OR POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR EQUIPPED WITH A FULL FACE PIECE, DEPENDING UPON THE OPERATION. AS

A MATTER OF GOOD INDUSTRIAL

PRACTICE. USE NIOSH APPROVED AIR PURIFYING RESPIRATORS EQUIPPED WITH PARTICULATE FILTERS DURING ANY SURFACE PREPARATION INVOLVING SANDBLASTING OR SANDING OF CURED EPOXY SYSTEMS.

Ventilation:PROPER VENTILATION IS NECESSARY. USE LOCAL EXHAUST AND MECHANICAL SYSTEMS LEADING TO FRESH AIR. USE SUITABLE RESPIRATORY EQUIPMENT IF INSUFFICIENT VENTILATION.

Protective Gloves: IMPERVIOUS BUTYL/NEOPRENE GLOVES ARE RECOMMENDED. Eye Protection: USE CHEMICAL SAFET

Y GOGGLES OR FACE SHIELDS IN EMERGENCY

SITUATIONS.

Other Protective Equipment: USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL SELECTION OF SPECIFIC ITEMS SUCH AS GLOVES, BOOTS, APRON OR FULL BODY SUIT. WILL DEPEND ON THE OPERATION.

Supplemental Safety and Health

HCC OF B2 WAS ASSIGNED ON ACCOUNT OF TRANSPORTATION CLASSIFICATION OF MFR. PRODUCT CONSISTS OF 2-PARTS; CAPASTIC PART B (HARDNER), AND CAPASTIC PART A (BASE). MSDS SER # CLMRX.. BOTH PARTS HAVE SAM E NSN.

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HCC:B2 Boiling Pt:=176.7C, 350.F B.P. Text:350 - 587F Vapor Density:>1.0 Spec Gravity:1.04 Evaporation Rate & amp; Reference:0.14 X N-BUTYLACETATE Appearance and Odor:YELLOW PASTE CONSISTENCY, AMINE ODOR. Percent Volatiles by Volume:0.4 WT

Stability Indicator/Materials to Avoid:YES CONTAMINATIN WITH STRONG ACIDS, BASES, AMINES AND MERCAPTANS CAN CAUSE POLY

MERIZATION. Stability Condition to Avoid:ELEVATED TEMPERATURES FOR PROLONGED PERIODS OF TIME.
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES AND IRRITATING AND TOXIC FUMES AT ELEVATED TEMPERATURES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.
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Toxicological Information:ORAL RAT LD50 >5,000 MG/KG
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Waste Dispo sal Methods:DISPOSE BY INCINERATION OR LANDFILL, WHERE PERMITTED BY FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT DISCHARGE INTO SEWER OR WATERWAYS.
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Transport Information:DOT PSN: CORROSIVE LIQUID, N.O.S (CONTAINS ALKALINE AMINE), 8, UN1760.
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SARA Title III Information:SEC 312 HAZARD CLASS: IMMEDIATE AND DELAYED HEALTH HAZARD.
ory Information:ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED IN EPA TSCA CHEMICAL INVENTORY. OSHA HAZARD COMM. STANDARD CLASSES: IRRITANT, CORROSIVE.
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