

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

===== Product Identification =====

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 =====

Ingred Name:PHENOL

CAS:108-95-2

RTECS #:SJ3325000

&lt;

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

===== Hazards Identification =====

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. INHALATION: 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 RESPIRATORY TRACT AND THE DEVELOPMENT OF AN ASTHMATIC REACTION

N TO FURTHER EXPOSURE.

Medical Condition Aggravated by Exposure: ASTHMA, CHRONIC RESPIRATORY DISEASES, EYE DISEASES, SKIN DISORDERS AND ALLERGIES.

===== First Aid Measures =====

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 CONTAMINATED CLOTHING AND SHOES. OBTAIN MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. DISCARD CONTAMINATED LEATHER APPAREL. INHALATION: REMOVE PERSON TO FRESH AIR. IF BREATHING STOPPED, QUALIFIED PERSONNEL ADMINISTER 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 ATTENTION.

===== Fire Fighting Measures =====

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.

===== Accidental Release Measures =====

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 =====

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS

KS 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 VENTILATION.

===== Exposure Controls/Personal Protection =====

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 SAFETY 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 SAME NSN.

===== Physical/Chemical Properties =====  
===

HCC:B2

Boiling Pt:=176.7C, 350.F

B.P. Text:350 - 587F

Vapor Density:>1.0

Spec Gravity:1.04

Evaporation Rate & Reference:0.14 X N-BUTYLACETATE

Appearance and Odor:YELLOW PASTE CONSISTENCY, AMINE ODOR.

Percent Volatiles by Volume:0.4 WT

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CONTAMINATING WITH STRONG ACIDS, BASES, AMINES AND MERCAPTANS CAN CAUSE POLYMERIZATION.

Stability Condition to Avoid:ELEVATED TEMPERATURES

OR 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.

===== Toxicological Information =====

Toxicological Information:ORAL RAT LD50 >5,000 MG/KG

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE BY INCINERATION OR LANDFILL, WHERE  
PERMI  
TTED BY FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT DISCHARGE  
INTO SEWER OR WATERWAYS.

===== MSDS Transport Information =====

Transport Information:DOT PSN: CORROSIVE LIQUID, N.O.S (CONTAINS  
ALKALINE AMINE), 8, UN1760.

===== Regulatory Information =====

SARA Title III Information:SEC 312 HAZARD CLASS: IMMEDIATE AND DELAYED  
HEALTH HAZARD.

Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE  
INCLUDED  
IN EPA TSCA CHEMICAL INVENTORY. OSHA HAZARD COMM. STANDARD  
CLASSES: IRRITANT, CORROSIVE.

===== 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.