

NATIONAL STARCH & CHEMICAL CORPORATION -- BONDMASTER CH-8 -- 8040-00-181-7337
===== Product Identification =====

Product ID:BONDMASTER CH-8
MSDS Date:01/10/1989
FSC:8040
NIIN:00-181-7337
Kit Part:Y
MSDS Number: BGWDQ
=== Responsible Party ===
Company Name:NATIONAL STARCH & CHEMICAL CORPORATION
Address:FINDERENE AVENUE
Box:6500
City:BRIDGEWATER
State:NJ
ZIP:08807
Info Phone Num:201-685-5379
Emerge
ncy Phone Num:201-685-5379
Preparer's Name:PHILLIP A. TOSCANO
CAGE:85091
=== Contractor Identification ===
Company Name:NATIONAL STARCH AND CHEMICAL CORP
Address:10 FINDERNE AVE
Box:6500
City:BRIDGEWATER
State:NJ
ZIP:08807
Country:US
Phone:908-685-5379; FAX:908685-5306
CAGE:85091

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

Ingred Name:POLYAMIDE RESIN
CAS:88384-96-7
Fraction by Wt: 65%

Ingred Name:TRIETHYLENETETRAMINE
CAS:112-24-3
RTECS #:YE6650000
Fraction by Wt: 35%

Ingred Name: DIGLYCIDYL ETHER OF BISPHENOL A

CAS: 1675-54-3

RTECS #: TX3800000

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

LD50 LC50 Mixture: ORAL RAT LD50: 2500 MG/KG

Routes of Entry: Inhalation: NO Skin: YES Ingestion: YES

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

Health Hazards Acute and Chronic: ACUTE: IRRITATING TO EYES, SKIN AND MUCOUS MEMBRANES. FREQUENT OR PROLONGED CONTACT MAY IRRITATE SKIN AND CAUSE DERMATITIS. MAY CAUSE GASTRIC TRACT DISORDER AND/OR

DAMAGE. WILL INJURE EYE TISSUE IF NOT REMOVE PROMPTLY; MAY CAUSE CONJUNCTIVITIS.

Explanation of Carcinogenicity: NONE OF THE COMPOUNDS IN THIS CHEMICAL IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure: EYE, SKIN & MUCOUS MEMBRANE IRRITATION.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF ALLERGIES MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. NOT NORMALLY REQUIRED BECAUSE

OF LOW VOLATILITY. SKIN: WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DRINK. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. CALL A PHYSICIAN.

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

Flash Point Method: SCC

Flash Point: 275F, 135C

L

Lower Limits: 1.0

Upper Limits: 6.5

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

Fire Fighting Procedures: EVACUATE AREA, WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures: WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A CONTAINER.

CONTAINER FOR DISPOSAL. WASH WALKING SURFACES WITH
DETERGENT AND WATER TO REDUCE SLIPPING HAZARD. WEAR PROPER
PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE EQUIPMENT
SECTION. VENTILATE.

Neutralizing Agent:NONE RECOMMENDED.

=====
===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT WITH SKIN AND EYES. USE
ONLY IN WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN
NOT IN USE. STORE BELOW 100F.

Other Precaution
s:NONE

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

Respiratory Protection:SELECT NIOSH/MSHA APPROVED RESPIRATOR BASED UPON
CONTAMINATION LEVELS FOUND IN THE WORK PLACE. NONE NORMALLY
REQUIRED UNDER NORMAL HANDLING CONDITIONS.

Ventilation:LOCAL AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO
MAINTAIN VAPOR AND MIST CONCENTRATIONS BELOW PELS EST. BY OSHA

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES OR SAFETY GOGGLES.

Other Protective Equipment:E

YE WASH STATION.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING,
DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE

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

HCC:N1

Boiling Pt:B.P. Text:>500F,260C

Vapor Pres:NIL

Vapor Density:APPROX 5

Spec Gravity:0.96

Viscosity:VISCOUS LIQ

Evaporation Rate & Reference:NIL (BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:AMBER VISCOUS LIQUI

D, TYPICAL AMINE ODOR.
Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

ACIDS, EPOXY RESINS IN UNCONTROLLED CONDITIONS.

Stability Condition to Avoid:HIGH HEAT.

Hazardous Decomposition Products:DURING COMBUSTION. CARBON MONOXIDE,
CARBON DIOXIDE, AMMONIA AND AMINES FUMES AND/OR VAPORS.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH
FEDERAL, STATE AND LOCAL REGULATIONS.

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.