

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

Product ID:EPOCAST 1310 A

MSDS Date:11/12/1984

FSC:8030

NIIN:00-142-9738

Kit Part:Y

MSDS Number: BHMFL

=== Responsible Party ===

Company Name:BORANE PRODUCTS CO. SUBSIDIARY OF ROHM & HAAS

Address:9421 SAN FERNANDO ROAD WEST

City:LOS ANGELES

State:CA

ZIP:90039

Country:US

Info Phone Num:(818) 247-6210 OR (215) 592-3000

Emergency Phone Num:(818) 24

7-6210 OR (215) 592-3000

CAGE:DO083

=== Contractor Identification ===

Company Name:BORANE PRODUCTS COMPANY

Address:9421 SAN FERNANDO ROAD WEST

City:LOS ANGELES

State:CA

ZIP:90039

Phone:(818) 247-6210 OR (215) 592-3000

CAGE:DO083

Company Name:CIBA SPECIALTY CHEMICALS CORP, N. A. / PERFORMANCE  
POLYMERS

Address:5121 SAN FERNANDO RD WEST

Box:City:LOS ANGELES

State:CA

ZIP:90039-1011

Country:US

Phone:818-247-6210/800-873-1138

CAGE:99384

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

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Ingred Name:EPOXY RESINS

Fraction by Wt: < 40%

Ingred Name:VINYL CYCLOHEXENE DIOXIDE

CAS:106-87-6

RTECS #:RN8640000

Fraction by Wt: < 20%

OSHA PEL:S, 10 PPM

ACGIH TLV:S, 10 PPM ;A2; 9192

Ingred Name:INORGANIC FILLERS

Fraction by Wt: < 20%

Ingred Name:BOROSILICATES

Fraction by Wt: > 40%

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

LIQUID OR BREATHING OF VAPORS OR MISTS MAY CAUSE DELAYED AND SERIOUS INJURY.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS SUSPECTED CARCINOGENIC MATERIAL

Effects of Overexposure:INHALE: VAPORS/FUMES CAN IRRITATE NOSE/THROAT. EYE: SEVERE PERSISTENT IRRITATION, POSSIBLY PERMANENT INJURY. SKIN: SEVERELY IRRITATING, CAN BE ABSORBED IN HARMFUL AMOUNTS.INGESTION: SUBSTANCE CAN CAUSE NAUSEA, VOMITING AND ABDOMINAL PAIN.

===== First Aid Measures =====  
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First Aid:INHALE: MATERIAL IS TOXIC; TREATMENT MUST NOT BE DELAYED! MOVE TO FRESH AIR. CPR IF UNCONSCIOUS. GET PROMPT MEDICAL ATTENTION. EYE: FLUSH WITH LARGE AMOUNT OF WATER 15 MIN. GET PROMPT MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. REMOVE CLOTHING. & LAUNDER CLOTHING BEFORE RE-USE. INGEST: DILUTE BY GIVING 2 GLASSES OF WATER TO DRINK. SEE PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====  
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Flash Point Method:COC

Flash Point:230 F/ 110 C

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER SPRAY

Fire Fighting Procedures:WEAR BREATHING APPARATUS (MSHA/NIOSH-APPROVED, PRESSURE-DEMAND, SELF CONTAINED OR EQUIVALENT.) & FULL PROTECTIVE GEAR

Unusual Fire/Explosion Hazard:HEAT CAN CAUSE POLYMERIZATION. HEATED SEALED CONTAINERS CAN EXPLODE.

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

Spill Release Procedures:ELIMINATE

IGNITION SOURCES. VENT AREA. AVOID

BREATHING VAPORS. WEAR RESPIRATOR SUITABLE. CLEAN UP ALL TRACES OF SPILL. SHOVEL INTO CLEAN, DRY CONTAINERS. ON HARD SURFACES SHOVEL UP CONTAMINATED LAYER. FLUSH CLEANED AREA WITH WATER TO A CONTAMINATED SEWER.

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

Handling and Storage Precautions:STORE AWAY FROM EXCESSIVE HEAT (E.G., STEAMPIPPES, RADIATORS), FROM SOURCES OF IGNITIONS & FROM REACTIVE MATERIALS. AVOID SKIN CONTACT

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Other Precautions:WASH AFTER HANDLING AND SHOWER AT END OF WORK PERIOD.  
MAY CAUSE ALLERGIC REAC- TIONS.

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

Respiratory Protection:WEAR SUITABLE RESPIRATOR (MSHA/NIOSH OR APPROVED EQUIVALENT) WHERE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:MECHANICAL LOCAL EXHAUST VENTILATION AT POINT OF CONTAMINENTRELEASE

Protective Gloves:IMPERVIOUS (RUBBER)

Eye Protection:CHEMICAL SPLASH GOGGLES (ANSI Z-87.1)

Other Protective

Equipment:PROTECTIVE CREAM FOR SKIN, PROTECTIVE CLOTHES, EYEWASH FACILITY, SAFETY SHOWER

Supplemental Safety and Health

NOTE TO PHYSICIAN: ALLERGIC DERMATITIS OR RESPIRATORY RESPONSE IN SUSCEPTIBLE INDIVIDUALS MAY BE DELAYED. IT MAY APPEAR AFTER WEEKS OR EVEN MONTHS OF FREQUENTAND PROLONGED CONTACT.

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

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres: 1

Spec Gravity:0.75

Viscosity:SOFT PASTE

Evapo

ration Rate & Reference:< 1

Solubility in Water:APPRECIABLE

Appearance and Odor:TAN COLOR SOFT PASTE; CHARACTERISTIC ODOR

Percent Volatiles by Volume:< 1.0

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

Stability Indicator/Materials to Avoid:YES

AMINES, ACIDS, ALKALIES, OXIDIZING AGENTS

Stability Condition to Avoid:AVOID STORAGE AT TEMPERATURES ABOVE 100 F

Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE

Conditions to Avoid Polymerization:AVOID AM

## INES, ACIDS AND ALKALIES

### ===== Disposal Considerations =====

Waste Disposal Methods:DILUTE WITH SUITABLE FLAMMABLE SOLVENT; THEN  
INCINERATE IN APPROVED EQUIPMENT IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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