

CIBA-GEIGY CORP FURANE PRODUCTS DIV -- FPC2034 EPOCAST 1619 B -- 8040-01-391-8407
===== Product Identification =====

Product ID:FPC2034 EPOCAST 1619 B

MSDS Date:10/04/1994

FSC:8040

NIIN:01-391-8407

MSDS Number: CFGVF

=== Responsible Party ===

Company Name:CIBA-GEIGY CORP FURANE PRODUCTS DIV

Address:5121 SAN FERNANDO RD W

City:LOS ANGELES

State:CA

ZIP:90039-1011

Country:US

Info Phone Num:818-247-6

210/800-888-8372

Emergency Phone Num:818-247-6210/800-888-8372

Preparer's Name:RAJESH S PATEL

CAGE:0267X

=== Contractor Identification ===

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

Company Name:CIBA-GEIGY CORP

Address:4917 DAWN AVE

Box:18300

City:EAST LANSING

State:MI

ZIP:48823-5605

Country:US

Phone:517-351-5900

CAGE:0267X

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Composition/Information on Ingredients
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Ingred Name:OLEIC ACID, TETRAETHYLENEPENTAMINE POLYMER
CAS:70321-87-8

Ingred Name:DIETHYLENETRIAMINE, ETHYLENEDIAMINE, N-(2-AMINOETHYL);
BIS(2-AMINOETHYL)AMINE *97-1*
CAS:111-40-0
RTECS #:IE1225000
Other REC Limits:4 MG/CUM
ACGIH TLV:1 PPM (SKIN)

Ingred Name:BISPHENOL A, BISPHENOL; 2,2-BIS-4'-HYDROXYLPROPAN *97-1*
CAS:80-05-7
RTECS #:SL6300000

Ingred Name:ADDUCT OF ETHYLAMINE, SUBSTITUTED AMINE AND BISPHENOL A

Ingred
Name:2-AMINOETHANOL, ETHANOLAMINE, MONOETHANOLAMINE
CAS:141-43-5
RTECS #:KJ5775000
Other REC Limits:3 PPM
OSHA PEL:3 PPM
ACGIH TLV:7.5 MG/CUM

Ingred Name:VOLATILE ORGANIC CONTENT: 150 GM/LTR COMPOUNDS
RTECS #:9999999VO

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50(RATS): >2330 MG/KG (SEE SUPP)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATIO
N: CAN CAUSE SEVERE
IRRITATION TO THE NOSE & THROAT. EYES: CORROSIVE, CAUSES PERMANENT
IRREVERSIBLE INJURY. SKIN: CORROSIVE, CAUSES BURNS. INGESTION:
CAUSES BURNS OF THE MOUTH, THROAT & ABDOM EN. PROLONGED/REPEATED
EXPOSURE CAN CAUSE LIVER & KIDNEY DAMAGE. CAN CAUSE ALLERGIC
REACTION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, BURNS, SWELLING.
Medical Cond Aggravated by Exposure:ALLERGY, ECZEMA, EYE/RESPIRATORY
CONDITIONS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NEEDED. EYES:
FLUSH W/A LARGE AMOUNT OF WATER FOR 15 MINS. SKIN: WASH THOROUGHLY
W/SOAP & WATER. INGESTION: DILUTE BY GIVING 2 GLASSES OF WATER TO
DRINK . NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE TO PHYSICIAN: ALLERGIC
DERMATITIS/RESPIRATORY RESPONSE IN INDIVIDUALS MAY BE DELAYED. (SEE
SUPP)

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

Flash Point Method:PMCC
Flash Point:210.2F
Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER.
Fire Fighting Procedures:WEAR MSHA/NIOSH APPROVED PRESSURE DEMAND
SCBA/EQUIVALENT & FULL PROTECTIVE GEAR. DON'T USE A SOLID STREAM OF
WATER. A SOLID STREAM OF WATER CAN SPREAD FIRE.
Unusual Fire/Explosion Hazard:DECOMPOSITION & COMBUSTION PRODUCTS MAY
BE TOXIC.

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

Spill
Release Procedures:EVACUATE AREA. WEAR FULL PROTECTIVE EQUIPMENT.
DIKE & ABSORB W/INERT MATERIAL. TRANSFER TO CONTAINERS SUITABLE FOR
DISPOSAL. KEEP RUNOFFS OUT OF MUNICIPAL SEWERS & OPEN BODIES OF
WATER. IF ON A POROUS SURFACE, GROUND CONTAMINATION MUST BE
CONSIDERED.

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

Handling and Storage Precautions:STORE TEMPS AT 95F. STORE AWAY FROM
EXCESSIVE HEAT, SOURCES OF IGNITION & REACTIVE MATERIALS. DON'T
ST
ORE NEAR FOOD/FEED.
Other Precautions:CORROSIVE TO COPPER & BRASS ON LONG TERM STORAGE.
CORROSIVE MATERIAL. AVOID ALL EYE & SKIN CONTACT. READ INFORMATION
BEFORE HANDLING THE PRODUCT.

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

Respiratory Protection:WEAR RESPIRATOR (MSHA/NIOSH) SUITABLE FOR
CONCENTRATIONS & TYPES OF AIR CONTAMINANTS ENCOUNTERED.
Ventilation:MECHANICAL LOCAL EXHAUST AT POINT OF CONTAMINANT RELEASE.
Protective Gloves:IMPERVIOUS
Eye Protection

:CHEMICAL SPLASH GOGGLES(ANSI Z-87.1)

Other Protective Equipment:PROTECTIVE CLOTHING, SAFETY SHOWER & EYEWASH FACILITY.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

IT MAY APPEAR AFTER WEEKS/EVEN MONTHS OF FREQUENT & PROLONGED CONTACT.
THE ORAL LD50 INFORMATION IS FOR BIS-(2-AMINOETHYL)AMINE.

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

HCC:V5

Vapor Pres:1

Spec Gravity:0.98

Evaporation Rate & R

eference:(BU AC = 1):