

CIBA-GEIGY CORPORATION FURANE PRODUCTS -- EPOCAST 1843 B TY-4 GRADE-B FPC2187 --
8030-00-469-5736

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

Product ID:EPOCAST 1843 B TY-4 GRADE-B FPC2187

MSDS Date:10/27/1989

FSC:8030

NIIN:00-469-5736

MSDS Number: BDZNZ

=== Responsible Party ===

Company Name:CIBA-GEIGY CORPORATION FURANE PRODUCTS

Address:5121 SAN FERNANDO ROAD WEST

City:LOS ANGELES

State:CA

ZIP:90039

Info Phone Num:(818) 247-6210

Emergency Phone Num:(818) 247-6210

Pre

parer's Name:RAJESH S. PATEL

CAGE:99384

=== 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

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

Ingred Name:DIETHYLENE TRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Fraction by Wt: 50%

Other REC Limits:4 MG/CUM

OSHA PEL:1 PPM

ACGIH TLV:S, 1 PPM; 9

Ingred Name: ISOMERIC MIXTURE OF TETRAMINO DIPHENYLENE METHANES

Fraction by Wt: 35%

Ingred Name: BIS(DIMETHYL AMINOETHYL) BIS-(HYDROXYPHENYL) METHANES

Fraction by Wt: 15%

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

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

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

Health Hazards Acute and Chronic: INHALATION: IRRITATION TO THE

NOSE/THROAT. EYES: CORROSIVE, PERMANENT, IRREVERSIBLE INJURY. SKIN: CORROS

IVE, BURNS, & ALLERGIC REACTION. INGESTION: BURNING, SWELLING

OF THE MOUTH, THROAT & ABDOMEN. INGESTION: LIVER & KIDNEY DAMAGE.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: INHALATION: IRRITATION TO NOSE/THROAT. EYES:

CORROSIVE, PERMANENT, IRREVERSIBLE INJURY. SKIN: CORROSIVE, BURNS, & ALLERGIC REACTION. INGESTION: BURNING, SWELLING OF THE MOUTH, THROAT & ABDOMEN.

Medical Cond Aggravated by Exposure: ALLERGY, ECZEMA, EYE OR RESEPIRATORY CONDITIONS

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

First Aid: INHALATION: MOVE SUBJECT TO FRESH AIR. GIVE ARTIFICIAL

RESPIRATION IF BREATHING HAS STOPPED. EYES/SKIN: FLUSH W/LARGE

AMOUNT OF WATER FOR AT LEAST 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.

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

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Flash Point Method: PMCC

Flash Point: >94F

Extinguishing Media: 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: DECOMPOSITION & COMBUSTION PRODUCTS MAY BE TOXIC. CORROSIVE LIQUID.

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

Spill Release Procedures: EVACUATE THE SPILL AREA. DIKE/ABSORB SPILL W/INERT M

ATERIAL. TRANSFER TO CONTAINERS SUITABLE FOR DISPOSAL.
KEEP SPILLS/CLEANING RUNOFFS OUT OF SEWERS/OPEN BODIES OF WATER. IF
SPILLED ON A POROUS SURFA CE, GROUND CONTAMINATION MUST BE
CONSIDERED.

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

Handling and Storage Precautions:STORE AWAY FROM EXCESSIVE HEAT,
STEAMPIPES, RADIATORS FROM SOURCES OF IGNITION & FROM REACTIVE
MATERIALS. DON'T STORE NEAR FOOD OR FEED.
Other Precautions:CORROSIVE TO COPPER & BRASS
ON LONG TERM STORAGE.
CORROSIVE MATERIAL. AVOID CONTACT W/SKIN, & EYES.

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

Respiratory Protection:WEAR SUITABLE RESPIRATOR (MSHA/NIOSH APPROVED
EQUIVALENT) WHERE TLV ARE EXCEEDED.
Ventilation:MECHANICAL/LOCAL EXHAUST VENTILATION AT POINT OF
CONTAMINANT RELEASE.
Protective Gloves:IMPERVIOUS, PLASTIC
Eye Protection:CHEMICAL SPLASH GOGGLES, FACESHIELD
Other Protective Equipment:ACID RESISTANCE CLOTHING, BOOTS, SAFETY

SHOWER & EYEWASH FACILITY.
Work Hygienic Practices:REMOVE/WASH CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health

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

HCC:F6
Vapor Pres: