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UNION CARBIDE CORP., INDUSTRIAL CHEMICALS DIVISION -- MONOETHANOLAMINE 6810-00-922-0866

Product ID:MONOETHANOLAMINE

MSDS Date:07/27/1990

FSC:6810

NIIN:00-922-0866

MSDS Number: BFWKR === Responsible Party ===

Company Name: UNION CARBIDE CORP., INDUSTRIAL CHEMICALS DIVISION

Address:39 OLD RIDGEBURY ROAD

City: DANBURY

State:CT

ZIP:06817-0001 Country:US

Info Phone

Num:800-822-4357/ 203-794-3451

Emergency Phone Num:800-822-4357/PATRICIA CODY AT 203

CAGE:61637

=== Contractor Identification ===

Company Name: UNION CARBIDE CORP Address: 39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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

Ingred Name: ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000 Fraction by Wt: 100%

Other REC Limits: NONE SPECIFIED

OSHA PEL:3 PPM/6 STEL

ACGI

H TLV:3 PPM/6 STEL; 9192
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE-INHALATION:IRRITATING & CAUSE COUGHING & DISCOMFORT IN THE NOSE,THROAT & CHEST.SKIN:CAUSES PAIN,SWELLING & BURNS.EYES:LIQUID CAUSES SEVERE IRRITATION,PAIN,TEARING,REDNESS,SWELLING & CHEMICAL BUR NS.INGESTION:MAY CAUSE CHEMICAL BURNS OFM
OUTH,ESOPHAGUS,PAIN,DIZZINESS,VOMITING & COMA.CHRONIC-KIDNEY & LIVER DAMAGE.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION. Medical Cond Aggravated by Exposure:MAY AGGRAVATE AN EXISTING DERMATITIS, ASTHMA & INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.
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First Aid:CALL A PHYSICIAN IN ALL CASES.INHALATION:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES.SKIN:WASH WITH SOAP & W ATER.INGESTION:DON'T INDUCE VOMITING.IF CONSCIOUS,DRI NK AT LEAST TWO GLASSES OF MILK/WATER.
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Flash Point Method:TCC Flash Point:185F,85C Extinguishing Media:LARGE FIRE:ALCOHOL-TYPE/ALL-PURPOSE-TYPE FOAMS BY MANUFACTURERS' RECOMMENDED TECHNIQUES.SMALL FIRE:CO2 OR DRY CHEMICAL. Fire Fighting Procedures:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS,EYE PROTECTION & PROTECTIVE CLOTHING.DON'T DIRECT A SOLID
STREAM OF WATER/FOAM INTO HOT, BURNING POOLS. Unusual Fire/Explosion Hazard: OXIDES OF NITROGEN WILL BE EVOLVED.
======== Accidental Release Measures ==========
Spill Release Procedures:WEAR SUITABLE PROTECTIVE EQUIPMENT; AVOID CONTACT WITH LIQUID & VAPORS! COLLECT FOR DISPOSAL. TOXIC TO AQUATIC LIFE; AVOID DISCHARGE TO NATURAL WATERS. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
============ Handling and Storage =============

Handling

and Storage Precautions:STORAGE-STORE IN A COOL,DRY & VENTILATED AREA AWAY FROM HEAT & FLAMES.KEEP CONTAINER CLOSED. Other Precautions:DANGER! CAUSES EYE & SKIN BURNS.HARMFUL IF INHALED,ABSORBED THROUGH SKIN,SWALLOWED.COMBUSTIBLE.REPEATED EXPOSURE MAY CAUSE LIVER & KIDNEY DAMAGE.ASPIRATION MAY CAUSE LUNG DAMAGE.DON'T GET IN EYES,ON S KIN,ON CLOTHING.AVOID BREATHING VAPOR.

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

Respiratory Protection: USE NIOSH A
PPROVED SELF-CONTAINED BREATHING
APPARATUS WITH ORGANIC VAPOR FILTER.

Ventilation: GENERAL (MECHANICAL) ROOM VENTILATION IS ADEQUATE. LOCAL VENTILATION IF VAPORS CAN BE EXPECTED TO ESCAPE TO THE WORKPLACE.

Protective Gloves: PVC-COATED OR RUBBER

Eye Protection: MONOGOGGLES

Other Protective Equipment:EYE BATH, SAFETY SHOWER AND CHEMICAL APRON Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and H ealth

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

HCC:B2

Boiling Pt:=171.1C, 340.F

Melt/Freeze Pt:M.P/F.P Text:52.0F,11.1C

Vapor Pres:0.2 Vapor Density:2.1 Spec Gravity:1.018

Evaporation Rate & Deference: