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DOW CHEMICAL U S A GOVERNMENT MARKETING -- 55894 MONOETHANOLAMINE, COMMERCIAL GRADE -- 6810-00-270-6207

Product ID:55894 MONOETHANOLAMINE, COMMERCIAL GRADE

MSDS Date:05/11/1989

FSC:6810

NIIN:00-270-6207

MSDS Number: BDRRX === Responsible Party ===

Company Name: DOW CHEMICAL US A GOVERNMENT MARKETING

Address:2020 DOW CENTER

City:MIDLAND

State:MI

ZIP:48640-6030

Co

untry:US

Info Phone Num:517-636-4400

Emergency Phone Num:517-636-4400

CAGE:71981

=== Contractor Identification ===

Company Name: AMJAY CORP. DBA AMJAY CHEMICALS

Address:11200 WESTHEIMER SUITE 310

Box:218786 City:HOUSTON

State:TX

ZIP:77218-8786 Country:US

Phone:713-492-2000

CAGE:64184

Company Name: DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI ZIP:48674 Country:US

Phone:800-258-2436

CAGE:96717

Company Name: DOW CHEMICAL USA

Address:BARSTOW BLDG

City:MIDLAND

State:MI ZIP:48640 Country:US

Phone:517-636-4400

CAGE:71981

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

Ingred Name: ETHANOLAMINE

CAS:141-43-5

RTECS #:KJ5775000 Fraction by Wt: >99%

Other REC Limits: NONE SPECIFIED

OSHA PEL:3 PPM/6 STEL

ACGIH TLV:3 PPM/6 STEL; 9192

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

LD50 LC50 Mixture: ORAL RAT LD50 IS 1720-2740 MG/KG RANGE

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

Reports of Carcinogenicity:NTP:NO IARC:

NO OSHA:NO

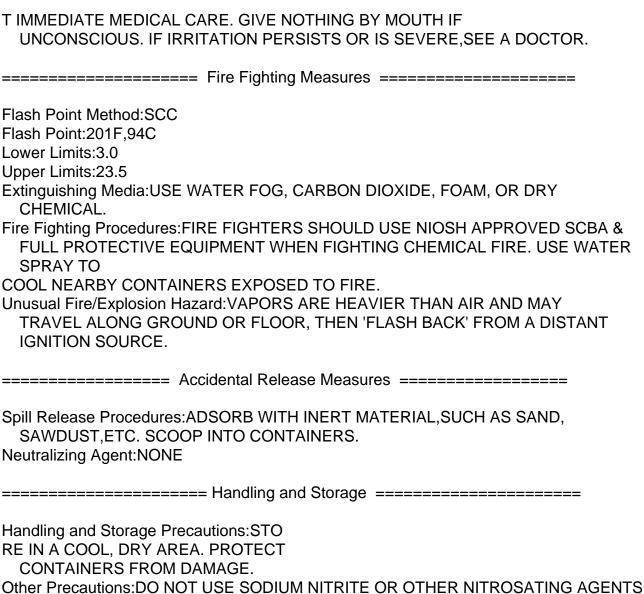
Health Hazards Acute and Chronic:PRODUCT IS CORROSIVE TO BODY TISSUES, AND MAY BE ABSORBED THROUGH THE SKIN IN TOXIC AMOUNTS. IT MAY CAUSE LIVER AND/ OR KIDNEY DAMAGE, WHEN EXCESSIVE AMOUNTS ARE ENCOUNTERED BY ANY ROUTE.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Effects of Overexposure:EYE:SEVERE IRRITATION, BURNS. SKIN: IRRITATION,BURNS,ABSORPTION. INHALED:RESPIRATORY IRRITATION. INGESTION:G/ I IRRITATION,BURNS..ULCERATION.

Medical Cond Aggravated by Exposure: PRE-EXISTING LIVER OR KIDNEY AILMENTS MAY BE AGGRAVATED BY EXPOSURE TO THIS COMPOUND.

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO N OT INDUCE VOMITING. GIVE 2 LARGE GLASSESOF MILK OR WATER AND GE



Handling and Storage Precautions:STO

WITH THIS MATERIAL. CARCINOGENIC NITROSOAMINES MAY BE FORMED.

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

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ALKALINE/ ORGANIC MIST/VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR R

EGU LATIONS PERTAINING TO RESPIRATOR USE.

Ventilation: WHERE GENERAL VENTILATION IS NOT SUFFICIENT, SUPPLEMENT WITH LOCAL EXHAUST TO CONTROL PEL/TLV TO ACCEPTABLE LEVELS.

Protective Gloves: IMPERVIOUS

Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment: SAFETY SHOWER AND EYE WASH STATION, ALSO WEAR IMPERVIOUS CLOTHING TO PROTECT FROM PHYSICAL CONTACT AS JOB DICTATES.

Work Hygienic Practices: USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID CONTACT WHENEVER POSSIBLE.

WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS NO 000185. PRODUCT CODE 55894. 'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM.

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

HCC:B2 Boiling Pt:=171.C, 339.8F Melt/Freeze Pt:=10.C, 50.F Vapor Pres: