

DEFENSE GENERAL SUPPLY CENTER -- MIL-A-8243(REV A OR B),TYPE I -- 6850-00-558-1248

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

Product ID:MIL-A-8243(REV A OR B),TYPE I

MSDS Date:10/26/1994

FSC:6850

NIIN:00-558-1248

MSDS Number: BVHDM

=== Responsible Party ===

Company Name:DEFENSE GENERAL SUPPLY CENTER

Address:8000 JEFFERSON DAVIS HIGHWAY

City:RICHMOND

State:VA

ZIP:23297-5680

Country:US

Info Phone Num:804-

279-4371

Emergency Phone Num:804-279-4371

Preparer's Name:DGSC-SHH/HMIS(LEVIEN)

CAGE:13873

=== Contractor Identification ===

Company Name:DEFENSE GENERAL SUPPLY CENTER

Address:8000 JEFFERSON DAVIS HWY

Box:City:RICHMOND

State:VA

ZIP:23297-5000

Phone:804-279-4371

CAGE:13873

Company Name:JEFFERSON CHEMICAL CO.

Address:OUT OF BUSINESS PRIOR TO DEC93

Box:City:HOUSTON

State:TX

ZIP:77052

Country:US

Phone:01JUN95

CAGE:JEFFE

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

Ingred Na

me:ETHYLENE GLYCOL (SARA III)
CAS:107-21-1
RTECS #:KW2975000
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C 50 PPM,VAPOR; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 4700MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE, SKIN, RESPIRATORY AND
GASTROINTESTINAL IRRITATION. CHRONIC: LIVE
R ABNORMALITIES, KIDNEY
DAMAGE, CENTRAL NERVOUS SYSTEM EFFECTS.
Explanation of Carcinogenicity:ETHYLENE GLYCOL HAS BEEN INVESTIGATED BY
RTECS AS A MUTAGEN,TUMORIGEN AND REPRODUCTIVE EFFECTOR.
Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL
IRRITATION.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EY
ES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE
DOCTOR. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED
CLOTHING. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR
IF NE EDED. SEE DOCTOR. INGESTION: DRINK 2 GLASSES OF WATER. DO NOT
INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. SEE DOCTOR
IMMEDIATELY.

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

Flash Point Method:TCC
Flash Point:232F,111C
Lower Limits:3.2
Upper Limits

:15.3

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.
WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:ARCS AND SPARKS CAN IGNITE PRODUCT
EXPLOSIVELY. COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release Measu
res =====

Spill Release Procedures:ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR
ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. ALLOW
VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR
VAPORS TO CLEAR HOOD DUCT WORK.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND
INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. DO
NOT INGEST!

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

Respiratory Protection:NONE NORMALLY REQUIRED WITH ADEQUATE
VENTILATION. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE
FOR EXPOSURE OF CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST
VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:

NITRILE OR RUBBER GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY
SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

MSDS GENERATED FOR TSR.AIRFORCE DOES NOT USE ETHYLENE GLYCOL AS A
RUNWAY DEICER,SINCE ITS HAS BEEN REPLACED FOR ENVIRONMENTAL

REASONS

WITH PROPYLENE GLYCOL,PER MIL-A-8243,REV.D,DATED 21 DECEMBER 1989.

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

HCC:N1

Boiling Pt:B.P. Text:379F,193C

Vapor Pres: