

ASHLAND CHEMICAL COMPANY -- ETHYLENE GLYCOL TECH -- 6810-00-006-4206

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

Product ID:ETHYLENE GLYCOL TECH

MSDS Date:05/31/1989

FSC:6810

NIIN:00-006-4206

MSDS Number: BQLYQ

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL COMPANY

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:800-274-5263

CAGE:34897

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Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216-2219

Country:US

Phone:614-790-3333/800-274-5263

CAGE:34897

Company Name:DIXCO DIVERSIFIED

Address:847 S EAST STREET

Box:City:ANAHEIM

State:CA

ZIP:92805

Country:US

Phone:714-535-0646

CAGE:0FJJ3

Company Name:TEXAS INSTRUMENTS INC DEFENSE SYSTEM & ELECTRONICS

Address:8505 FOREST LN

Box:660246

City:DALLAS

State:TX

ZIP:75266-0246

Country:US

CAGE:96214

===== Composition/Information on Ing

redients =====

Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:PEL=50PPM;TLV=50PPM (BOTH CEILING)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:EYE

S:IRRITANT.SKIN:SLIGHT

IRRITANT.INHAL:NASAL AND RESPIRATORY IRRITATION.INGEST:CAN CAUSE
GASTROINTESTINAL IRRITATION.CHRONIC EFFECTS ARE BIRTH
DEFECTS,KIDNEY AND LIVER DAMAGE AND CENTRAL NERVOUS SYS TEM
EFFECTS.

Explanation of Carcinogenicity:RTECS 92-4 SHOWS MONOGRAPHS ON ETHYLENE
GLYCOL AS A MUTAGEN,TUMORIGEN,REPRODUCTIVE EFFECTOR.

Effects of Overexposure:INGEST:NAUSEA,VOMITING,DIARRHEA.

Medical Cond Aggravated by Exposure:HMIS SUGGESTS THAT PERSONS WITH A
HISTORY OF KID

NEY OR LIVER DISORDERS MAYBE AT INCREASED RISK FROM
EXPOSURE.

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

First Aid:EYE:FLUSH W/ WATER 15 MIN HOLD LIDS OPEN. SKIN:REMOVE
CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. WASH WITH SOAP &
WATER. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY.
INGESTED:GIVE 2 GLASSES WATER AND INDUCE VOMITING(BYIPECAC OR
FINGER DOWN THROAT). GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET
IMMEDIATE MEDICAL CA

RE. IF IRRITATION PERSISTS,OR IS SEVERE,SEE A
DOCTOR.

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

Flash Point Method:TCC

Flash Point:232F,111C

Lower Limits:3.2

Upper Limits:15.3

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

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

Unusual Fire/Explosion Hazard:CONTAINERS ARE AN EXPLOSION HAZARD.

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

Spill Release Procedures:WIPE/SOAK UP WITH PAPER TOWEL OR INERT
ABSORBENT. PUT IN DISPOSAL CONTAINER. FLUSH RESIDUE WITH WATER.
LARGE SPILL: VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN
RUN OFF. VACUUM UP FREE LIQUID. FLUSH RESIDUE WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT
CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. DO
NOT PRESSURIZE,CUT,WELD,BRAZE,ETC. NEAR THEM.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE
NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC DUST/MIST IF EXPOSURE IS
ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING
TO RESPIRATOR USE.
Ventilation:NORMAL VENTILATION IS USUALLY SUFFICIENT. SUPPLEMENT WITH
LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.
Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER
Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. AVOID
PROLONGED AND/OR REPEATED CONTACT BY USING APPROPRIATE CLOTHING.
Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID
UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.
Supplemental Safety and Health
POISONOUS.

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

HCC:V5
Boiling Pt.=192.8C, 379.F
Vapor Pres:0.1
Vapor Density:2.2
Spec Gravity:1.115
Evaporation Rate & Reference: