

EXCITON CHEMICAL CO INC -- ETHYLENE GLYCOL -- 6810-00-006-4205

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Product Identification  
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Product ID:ETHYLENE GLYCOL

MSDS Date:08/12/1991

FSC:6810

NIIN:00-006-4205

MSDS Number: BQKLS

=== Responsible Party ===

Company Name:EXCITON CHEMICAL CO INC

Address:400 LINDEN AVE

Box:31126

City:DAYTON

State:OH

ZIP:45431

Country:US

Info Phone Num:513-252-2989

Emergency Phone Num:513-252-2989

Preparer'

s Name:LARRY KNAAK

CAGE:9Z504

=== Contractor Identification ===

Company Name:EXCITON CHEMICAL CO INC

Address:400 LINDEN AVE

Box:31126

City:DAYTON

State:OH

ZIP:45431

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Phone:513-252-2989

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Composition/Information on Ingredients  
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Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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Hazards Identification  
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LD50 LC50 Mixture: ACUTE ORAL LD50 (RAT) IS 4 G/KG

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

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

Health Hazards Acute and Chronic: ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEBRANES AND UPPER RESPIRATORY TRACT. CAUSES SKIN IRRITATION. PROLONGED EXPOSURE CAN CAUSE NAUSEA, HEADACHE AND VOMITI

NG. CHRONIC: MAY CAUSE REPRODUCTIVE DISORDERS; DAMAGE TO THE KIDNEYS.

Explanation of Carcinogenicity: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY NTP, IARC OR OSHA.

Effects of Overexposure: ACUTE: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEBRANES AND UPPER RESPIRATORY TRACT. CAUSES SKIN IRRITATION. PROLONGED EXPOSURE CAN CAUSE NAUSEA, HEADACHE AND VOMITING. CHRONIC: MAY CAUSE REPRODUCTIVE DISORDE

RS; DAMAGE TO THE KIDNEYS.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF KIDNEY DISORDERS MAYBE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures  
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First Aid: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF INHALED, REMOVE TO F

RESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

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Fire Fighting Measures  
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Flash Point Method: TCC

Flash Point: 230F, 110C

Lower Limits: 3.2

Upper Limits: 15.3

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.

Unusual Fi

re/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLED,  
RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE  
AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENTILATE AREA AND  
WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, AREA. KEEP  
CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM  
PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID  
PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.  
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR  
INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR  
CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29  
CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR  
SELECTION.

Ventilation:MECHANICAL VENTILATION IS REQUIRED. LOCAL EXHAUST IS NEEDED  
IF VENTED INTO WORK AREA.

Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES W  
ITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health  
HARMFUL LIQUID. REPRODUCTIVE HAZARD. IRRITANT.

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

HCC:V5

Boiling Pt:=-196.1C, 385.F

Melt/Freeze Pt:=-12.6C, 9.

F

Vapor Pres:0.08

Vapor Density:2.1

Spec Gravity:1.113

Evaporation Rate & Reference: