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UNION CARBIDE CHEMICALS AND PLASTICS CO INC -- ETHYLENE GLYCOL, INDUSTRIAL GRADE -- 6810-00-006-4205

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

Product ID:ETHYLENE GLYCOL, INDUSTRIAL GRADE

MSDS Date:06/06/1994

FSC:6810

NIIN:00-006-4205

MSDS Number: CHHLZ === Responsible Party ===

Company Name: UNION CARBIDE CHEMICALS AND PLASTICS CO INC

Address:39 OLD RIDGEBURY RD

City: DANBURY

State:CT

ZIP:06817-0001

Coun try:US

Info Phone Num:203-794-2000

Emergency Phone Num:203-794-2000/800-568-4000

CAGE:0TAZ2

=== Contractor Identification ===

Company Name: CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX ZIP:77305 Country:US

Phone: 409-756-1065

CAGE:4N760

Company Name: UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

Company Name: UNION CARBIDE CORPORATION

Address

:39 OLD RIDGEBURY RD Box:City:DANBURY

State:CT

ZIP:06817-0001 Country:US

Phone:1-800-568-4000 / 732-563-5522

CAGE:0TAZ2

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

Ingred Name: ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:DIOXANE

CAS:123-91-1

Fraction by Wt: 0.026%

Other REC Limits: NONE RECOMMENDED

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

======= Hazard

s Identification =========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-SWALLOWING: CARDIAC FAILURE ABD PULMONARY EDEMA MAY DEVELOP. INHALATION-MAY CAUSE IRRITATION OF THE NOSE & THROAT. EYE-LIQUID, VAPOR OR MIST CAUSES IRRITATION.

CHRONIC-REPEATED INHALATION OF MIS T MAY PRODUCE SIGNS OF CENTRAL NERVOUS SYSTEM INVOLVEMENT.

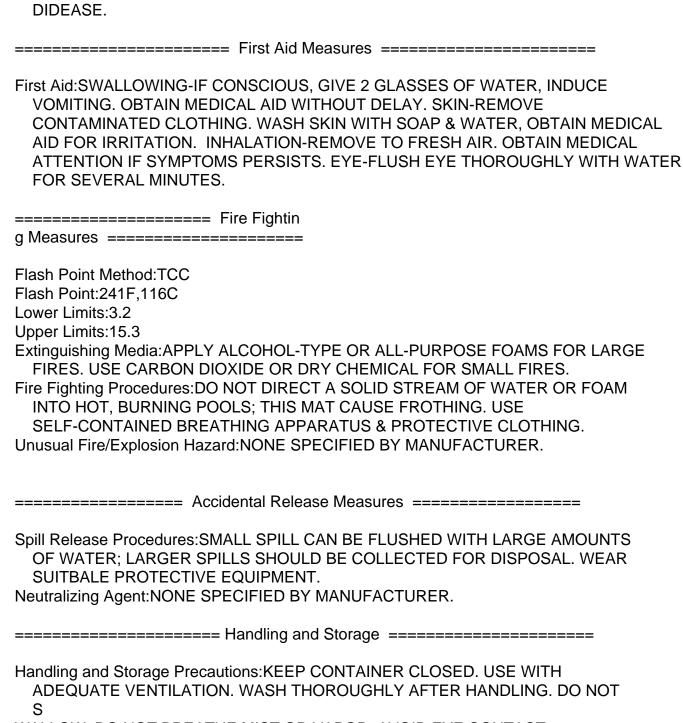
Explanation of Carcinogenicity:THIS COMPO

UND CONTAINS NO INGREDIENTS AT

CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:SWALLOWING-MAY CAUSE ABDOMINAL PAIN OR DISCOMFORT, NAUSEA, VOMITING, DIZZINESS, BLURRED VISION, IRRITABILITY, LUMBAR PAIN. INHALATION-HEADACHE, NAUSEA, VOMITING, NAUSEA, IRREGULAR EYE MOVEMENT. EYE-ST INGING, EXCESS BLINKING AND TEAR PRODUCTION, WITH EXCESS REDNESS OF THE CONJUNCTIVA.

Medical Cond Aggravated by Exposure: MAY AGGRAVATE AN EXI



WALLOW. DO NOT BREATHE MIST OR VAPOR. AVOID EYE CONTACT. Other Precautions: DANGER!! HARMFUL OR FATAL IF SWALLOWED. CAUSES EYE IRRITATION.

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

Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.

Ventilation: GENERAL (MECHANICAL) ROOM VENTILATION MAY BE ADEQUATE. PVC-COATED RUBBER.

Protective Gloves: MONOGOGGLES OR FACE SHIELD.

Eye Protection: EYE BATH, SAFETY SHOWER.

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Other Protective Equipment: NONE SPECIFIED BY MANUFACTURE

R. Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health NONE SPECIFIED BY MANUFACTURER.
======== Physical/Chemical Properties =========
HCC:V5 Boiling Pt:B.P. Text:>387F,>197C Melt/Freeze Pt:M.P/F.P Text:9F,-13C Decomp Temp:Decomp Text:NOT GIVEN Vapor Pres:0.08 MMHG Vapor Density:2.1 Spec Gravity:1.115 Evaporation Rate & Decomp; Reference:0.01 (N-BUTYL ACETATE=1) Solubi lity in Water:100% Appearance and Odor:TRANSPARENT COLORLESS, MILD SWEET, LIQUID.
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES STRONG ACIDS OR STRONG BASES AND SUBJECTED TO ELEVATED TEMPERATURES STRONG OXIDIZING AGENTS. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods: INCINERATION IN A FURNANCE WHEREPERMITTED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.

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