

CLARIANT CORP -- METHYL DIGLYCOL -- 6850-01-089-5514

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

Product ID:METHYL DIGLYCOL

MSDS Date:07/06/1998

FSC:6850

NIIN:01-089-5514

Status Code:A

MSDS Number: CJKHR

=== Responsible Party ===

Company Name:CLARIANT CORP

Address:4000 MONROE RD

City:CHARLOTTE

State:NC

ZIP:28205-7706

Country:US

Info Phone Num:704-331-7000/7710 (MSDS)

Emergency Phone Num:704-331-7000

Resp.

Party Other MSDS Num.:600704

Preparer's Name:C_CRIST

Chemtrec Ind/Phone:(800)424-9300

CAGE:1Y044

=== Contractor Identification ===

Company Name:CLARIANT CORP

Address:4000 MONROE RD

Box:City:CHARLOTTE

State:NC

ZIP:28205

Country:US

Phone:908-429-3562

CAGE:1Y044

Company Name:TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94089-2115

Country:US

Phone:916-941-3688

Contract Num:SP0450-99-M-NB59

CAGE:1KH20

===== Composition/Information on Ingred

ients =====

Ingred Name:DIETHYLENE GLYCOL METHYL ETHER

CAS:111-77-3

RTECS #:KL6125000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOL ETHERS (SARA 313 CATEGORY), TOTAL GLYETHCMPD

= Wt:100.

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50(ORAL,RAT)>7,000 MG/KG;DIETHGLYMEETH

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

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

Health Hazard

s Acute and Chronic:TARGET ORGANS: EYES, KIDNEYS, BLADDER,
RESPIRATORY AND CNS. EFFECTS OF EXPOSURE: DIETHYLENE GLYCOL METHYL
ETHER: MODERATELY TOXIC BY SKIN CONTACT. MILDLY TOXIC BY INGESTION.
AN EYE IRRITANT. PROLONGED /REPEATED SKIN EXPOSURE IS NOT LIKELY TO
CAUSE SIGNIFICANT IRRITATION. VAPOR OR MIST MAY BE IRRITATING TO
EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. EXCESSIVE
EXPOSURE MAY CAUSE LIVER, KIDNEY AND POSSIBLY TESTICULAR EFFECTS.
GLYCOL ETHERS: T

HE HEALTH EFFECTS OF GLYCOL ETHERS VARY WITH THE
PARTICULAR GLYCOL ETHER. THESE EFFECTS MAY INCLUDE IRRITATION TO
SKIN, EYES, RESPIRATORY SYSTEM, REDU CTION OF SPERM COUNT OR BIRTH
DEFECTS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, EYE PAIN

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

First Aid:EYE: IMMEDIATELY WASH THE EYE WITH LARGE AMOUNT OF WATER,
OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. SEEK MEDICAL
ATTENTI

ON IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH
AFFECTED AREA WITH PLENTY OF WATER. IF CONTACT HAS BEEN
WIDESPREAD, OR PROLONGED, OR IF IRRITATION CONTINUES, CONSULT A
PHYSICIAN. WASH CLOTHING BEFORE REUSE. INHALATION: GET VICTIM TO
FRESH AIR. GIVE ARTIFICIAL RE SPIRATION OR OXYGEN. IF BREATHING HAS
STOPPED. GET PROMPT MEDICAL ATTENTION. INGESTION: GIVE VICTIM WATER
AND INDUCE VOMITING IMMEDIATELY IF VICTIM IS CONSCIOUS. GET
IMMEDIATE MEDICAL ATTENTION. DO

NO T GIVE FLUIDS IF VICTIM IS
UNCONSCIOUS.

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

Flash Point:=91.7C, 197.F

Lower Limits:1.6%

Upper Limits:18.1%

Extinguishing Media:ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER /FOG SPRAY.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF-CONTAINED
BREATHING APPARATUS AND OTHER PROPER PROTECTIVE EQUIPMENT WHERE
THIS CHEMICAL IS INVOLVED IN A FIRE. USE WATER SPRAY TO COOL
CONTAINERS.

Unusual Fire/Explosion Hazard:EMITS
TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR APPROPRIATE PERSONAL PROTECTIVE
EQUIPMENT. CONTAIN SPILL. USE ABSORBENT MATERIAL TO SOAK UP
LIQUID. PLACE IN PROPER WASTE DISPOSAL CONTAINERS. RINSE RESIDUAL
WITH WATER.

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

Handling and Storage Precautions:DO NOT STORE IN ALUMINUM CONTAINERS.

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

Respiratory Protection:IF AIRBORNE CONCENTRATIONS POSE A HEALTH HAZARD,
BECOME IRRITATING OR EXCEED RECOMMENDED LIMITS, USE A NIOSH
APPROVED RESPIRATOR IN ACCORDANCE WITH OSHA RESPIRATORY PROTECTION
REQUIREMENTS UNDER 29 CF R 1910.134

Ventilation:LOCAL VENTILATION RECOMMENDED - MECHANICAL VENTILATION MAY
BE USED.

Protective Gloves:BUTYL RUBBER, PVC OR NEOPRENE

Eye Protection:FACE SHIELD AND GOGGLES OR CHEMICAL GOGGLES SHOULD BE
WORN

Other Protecti

ve Equipment:WEAR CLOTHING SUITABLE TO PREVENT SKIN CONTACT. HAVE EYEWASH FOUNTAIN AND SAFETY SHOWER AVAILABLE IN THE WORK AREA.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

PRODUCT CODE: 600704.

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

HCC:V4

Boiling Pt:=190.C, 374.F

B.P. Text:374-384F

Melt/Freeze Pt:=-65.C, -85
.F

Vapor Pres:(MMHG)1

pH:NEUTRAL

Viscosity:3.9MPA+S

Solubility in Water:MISCIBLE

Appearance and Odor:COLORLESS LIQUID, SLIGHT ODOR (ODOR THRESHOLD NOT AVAILABLE)

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:THERMAL DECOMPOSITON MAY PRODUCE OXIDES OF CARBON.

===== Toxicological Information =====

Toxicological Infor

mation:LD50 (ORAL, RAT) 9,210 MG/KG. DIETHYLENE

GLYCOL METHYL ETHER LD50 (DERMAL) (RABBIT) - 20 ML/KG.

===== Ecological Information =====

Ecological:AQUATIC TOXICITY LC50 > 5000 MG/L 24 H

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

Waste Disposal Methods:RECOMMENDED DISPOSAL IS BY INCINERATION IN APPROVED FACILITIES.

===== Regulatory Information =====

SARA Title III Information:UNDER THE PRO

VISIONS OF TITLE III, SECTION

311/312 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: IMMEDIATE /ACUTE: Y, DELAYED/CHRONIC: Y, FIRE HAZARD: Y. THIS PRODUCT CONTAINS A TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.

Federal Regulatory Information:WE CERTIFY THAT ALL COMPONENTS OF THIS

PRODUCT ARE REGISTERED UNDER REGULATIONS OF THE TOXIC SUBSTANCE CONTROL ACT (TSCA). RCRA REGULATED COMPONENTS: DIETHYLENE GLYCOL METHYL ETHER AND GLYCOL ETHERS. PENNSYLVANIA AND MASSACHUSETTS: DIETHYLENE GLYCOL METHYL ETHER AND GLYCOL ETHERS.

State Regulatory Information:

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