View NSN Online: https://aerobasegroup.com/nsn/6850-01-036-1123 OCCIDENTAL CHEMICAL CORPORATION, OCCIDENTAL TOWER -- ETHYLENE GLYCOL (ALL GRADES) -- 6850-01-036-1123 Product ID: ETHYLENE GLYCOL (ALL GRADES) MSDS Date:01/01/1998 FSC:6850 NIIN:01-036-1123 Status Code:A MSDS Number: CKBLH === Responsible Party === Company Name: OCCIDENTAL CHEMICAL CORPORATION, OCCIDENTAL TOWER Address:5005 LBJ FREEWAY Box:809050 City:DALLAS State:T Х ZIP:75380 Country:US Info Phone Num:800-752-5151/800-699-4970(MSDS) Emergency Phone Num:800-733-3665/972-404-3228 Preparer's Name:NOT PROVIDED. CAGE:0AH54 === Contractor Identification === Company Name: CHEMICAL MANAGEMENT SYSTEMS LLC DBA CHEMICAL MANAGEMENT SYST Address:11029 NATURAL BRIDGE Box:City:BRIDGETON State:MO ZIP:63044 Country:US Phone:314-731-7278 Contract Num:SP0450-00-M-D217 CAGE:1LFJ4 Company Name: OCCIDENTAL CHEMICAL CORPORATION Address: 5005 LYNDON B JOHNSON FWY Box:City:DALLA S State:TX ZIP:75244-6198 Country:US Phone:800-752-5151/972-404-3800 CAGE:0AH54

Ingred Name:1,2-ETHANEDIOL CAS:107-21-1 RTECS #:KW2975000 Minumum % Wt:95. Maxumum % Wt:100. Other REC Limits:50 PPM (MFR) OSHA PEL:NONE Code:F ACGIH STEL:C 100 MG/M3 Code:F EPA Rpt Qty:1 LB tion:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF SENSE OF BALANCE, DROWSINESS, VISUAL DISTURBANCES, UNCONSCIOUSNESS AND DEATH. DUE TO LOW VAPOR PRESSURE, INHALATION OF VAPOR IS UNLIKELY EXCEPT AT ELEVATED TEMPERATURES. EYES: MAY BE IRRITATING. SKIN: IN SEVERE OVEREXPOSURE ENOUGH M

ATERIAL MIGHT BE ABSORBED TO CAUSE SYSTEMIC I NJURY. INGESTION: CNS SYMPTOMS SIMILAR TO THOSE BY INHALATION; FOLLOWED BY RAPID BREATHING, INCREASED HEART RATE, POSSIBLE DECREASED URINE VOLUME AND SEVERE METABOLIC ACIDOSIS. CHRONIC: MAY CAUSE LIVE R AND KIDNEY DAMAGE

Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC.

Effects of Overexposure: INHALATION: MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, LOSS OF S

ENSE OF BALANCE, DROWSINESS, VISUAL DISTURBANCES,

UNCONSCIOUSNESS AND DEATH. DUE TO LOW VAPOR PRESSURE, INHALATION OF VAPOR IS UNLIKELY EXCEPT AT ELEVATED TEMPERATURES. EYES: MAY BE IRRITATING. SKIN: IN SEVERE OVEREXPOSURE ENOUGH MATERIAL MIGHT BE ABSORBED TO CAUSE SYSTEMIC I NJURY. INGESTION: CNS SYMPTOMS SIMILAR TO THOSE BY INHALATION; FOLLOWED BY RAPID BREATHING, INCREASED HEART RATE, POSSIBLE DECREASED URINE VOLUME AND SEVERE METABOLIC ACIDOSIS.

Medical Cond Aggra

vated by Exposure:PRE-EXISTING LIVER OR KIDNEY DISORDERS.

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES, FORCIBLY HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION OF EYE AND LID TISSUE. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATIION OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICUL

T, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF RESPIRATION STOPS, HAVE A TRAINED PERSON ADMINISTER ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER (MILK IF AVAILABLE). GET MED ICAL ATTENTION IMMEDIATELY.

Flash Point:=116.C, 240.8F Autoignition Temp:Autoignition Temp Text:N/D Lower Limits:3.2 Upper Limits:15.3 Extinguishin

- g Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER FOG OR SPRAY.
- Fire Fighting Procedures: USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.
- Unusual Fire/Explosion Hazard: ETHYLENE GLYCOL MIST IN AIR IS A MODERATE FIRE AND EXPLOSION HAZARD.

Spill Release Procedures: FOLLOW PROTECTIVE MEASURE PROVIDED IN THE MSDS. CONTAIN SPILL WITH DIKE TO PREVENT ENTRY INTO SEWERS OR WATERWAYS. NEVER FLUSH TO SEWER. RECOVE

R LIQUID FOR REUSE OR

RECLAMATION. RECOVER SPILLED MATERI AL WITH ABSORBENT AND PLACE IN APPROVED CONTAINERS FOR DISPOSAL. DO NOT FLUSH TO SEWERS. Neutralizing Agent:NOT RELEVANT.

Handling and Storage Precautions: AVOID OPEN AGITATION OR HEATING WHICH MAY GENERATE VAPORS OR MISTS. STORE CONTAINERS IN A COOL, DRY, VENTILATED, FIRE RESISTANT AREA AWAY FROM SOURCE OF IGNITION AND INCOMPATIBLE MATERIALS. KEEP CO NTA INER TIGHTLY CLOSED AND PROPERLY LABELED.

Other Precautions:NOT PROVIDED.

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, WHERE AIRBORNE CONTAMINANTS MAY OCCUR. FOR EMERGENCIES AND UNKNOWN CONCENTRATION, USE NIOSH/MSHA APPROVED POSITIVE PRESS URE SELF-CONTAINED BREATHING APPARATUS. UTILIZE RESPIRATORY PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 29CFR

1910.134 (RESPIRATORY PROTECTION).

Ventilation: GENERAL ROOM VENTILATION PLUS LOCAL EXHAUST AT POINTS OF EMISSION TO MAINTAIN LEVELS OF AIRBORNE CONTAMINANTS BELOW EXPOSURE LIMITS.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES SUCH AS RUBBER, NEOPRENE OR VINYL.

Eye Protection:WEAR CHEMICAL SAFETY GOGGLES PLUS FULL FACE SHIELD TO PROTECT AGAINST SPLASHING

Other Protective Equipment: EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY (ANSI Z358.1).

Work Hygie

nic Practices:NOT PROVIDED. Supplemental Safety and Health NOTES TO PHYSICIAN: CAN CAUSE PULMONARY EDEMA. ETHYLENE GLYCOL WHEN SWALLOWED IS TOXIC TO THE KIDNEYS AND CAUSED METABOLIC ACIDOSIS.

HCC:V5 NRC/State Lic Num:NOT RELEVANT. Boiling Pt:=198.C, 388.4F Melt/Freeze Pt:=-13.C, 8.6F Vapor Pres:0.06MM HG@20C Vapor Density:2.1 Spec Gravity:1.115@20C/20C pH:NOT APPLICAPLE. Viscosity:NOT PROVIDED. Evaporation Rate & amp; Refe rence:NOT DETERMINED Solubility in Water:COMPLETE Appearance and Odor: CLEAR, COLORLESS, SLIGHTLY VISCOUS LIQUID WITH A MILD SWEET ODOR. Percent Volatiles by Volume:0 Corrosion Rate:NOT PROVIDED.

Stability Indicator/Materials to Avoid:YES REACTS WITH: OXIDIZERS, ACIDS, ALKALIS. Stability Condition to Avoid:AVOID CONTACT WITH OXIDIZING AGENTS, ACIDS, AND BASES. Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE. Conditions to Avoid Polymerization:WILL NOT OCCUR.

Toxicological Information:ACUTE DERMAL LD50: (RABBIT) 19.5 G/KG. PRIMARY SKIN IRRITATION: (RABBIT) MILD. PRIMARY EYE IRRITATION: (RABBIT, 1 HR) MILD. ETHYLENE GLYCOL PRODUCES BIRTH DEFACTS WHEN ORALLY ADMINISTERED TO PREGNANT MICE AND RATS AT DOSES OF 500 AND 1000 MG/KG/DAY, RESPECTIVELY, DURING GESTION. THERE IS NO CURRENT INFORMATION TO SUGGEST T

HAT ETHYLENE GLYCOL PRODUCES BIRTH DEFACTS IN HUMANS.

Ecological:AQUATIC ECOTOXIC DATA: FISH: LC50 (96 HR.) (RAINBOW TROUT) 18,500 - 41,000 MG/L. LC50 (96 HR.) (FATHEAD MINNOW) 49,000 MG/L. BCF (3 DAYS) (GOLDEN IDE) 10. INVERTEBRATES: LC50 (48 HR.) (WATER FLEA) 41, 100 MG/L. AMPHIBIANS: LC50 (48 HR.) (CLAWED TOAD) 326 MG/L. PLANTS: EC50GROWTH (4 DAYS) (GREEN ALGAE) 6,500-13,000 MG/L. EC50GROWTH (7 DAYS

) (GREEN ALGAE) 24,000 MG/L. IC (8 DAYS) CELL MULT. (GREEN AL GAE) >10,000 MG/L. IC (8 DAYS) PGR (BLUE-GREEN ALGAE) 2,000 MG/L. ETHYLENE GLYCOL IS HIGHLY SOLUBLE IN WATER AND IS NOT SIGNIFICANTLY TOXIC TO FISH. CARE SHOULD BE TAKEN TO AVOID ACCIDENTAL RELEASE TO AQUATIC OR TERRESTRIAL SYSTEMS.

Waste Disposal Methods:DISPOSE OF ALL WASTE AND CONTAMINATED EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL HEALTH AND ENVIRONMENTAL REGULATIONS.

Transport Information:DOT INFORMATION: THIS MATERIAL MAY BE REGULATED BY THE DOT BECAUSE IT COULD CONTAIN A REPORTABLE QUANTITY (RQ) OF A HAZARDOUS SUBSTANCE. PLEASE EXAMINE THE QUANTITY PER PACKAGE FOR THE FOLLOWING HAZAR DOUS SUBSTANCE(S): RQ 5000 LBS. (ETHYLENE GLYCOL). CONTACT OXYCHEM AT (972) 404-3991 FOR CLASSIFICATION ASSISTANCE.

SARA Title III Information: THIS PRODUCT CONTAINS ETHYLENE GLYCOL, WHICH IS 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 . THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTION 311 AND 312 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III)

- AND IS CONS IDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: A DELAYED (CHRONIC) HEALTH HAZARD.
- Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT THAT ARE REQUIRED TO BE ON THE TSCA INVENTORY ARE LISTED ON THE INVENTORY. State Regulatory Information:STATE OF CALIFORNIA SAFE DRINKING WATER
- AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Discl

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