View NSN Online: https://aerobasegroup.com/nsn/6810-00-285-4309

Product ID:GLYCOL ETHER-EE-CELLOSOLVE SOLVENT

MSDS Date:01/01/1998

FSC:6810

NIIN:00-285-4309

Status Code:A

MSDS Number: CLJQF === Responsible Party ===

Company Name: G.J. CHEMICAL COMPANY, INC.

Address:370-376 ADAMS STREET

City:NEWARK

State:NJ ZIP:07114 Country:US

Info Phone Num :973-589-1450

Emergency Phone Num: (304) 744-3487

CAGE:UO291

=== Contractor Identification ===

Company Name: ALLIANCE CHEMICAL INC

Address:3 OAKMOOR

Box:79

City:ROUND ROCK

State:TX ZIP:78680 Country:US

Phone:512-365-6838

Contract Num:SP0450-01-M-ZF72

CAGE:1LT50

Company Name: G.J. CHEMICAL COMPANY, INC.

Address:370-376 ADAMS STREET

Box:City:NEWARK

State:NJ ZIP:07114 Country:US

Phone:973-589-1450

CAGE:UO291

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

Ingred Name:2-ETHOXYETH

ANOL CAS:110-80-5 RTECS #:KK8050000 = Wt:100.

OSHA PEL:740 MG/M3;200 PPM ACGIH TLV:18 MG/M3;5 PPM

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER
Health Hazards Acute and Chronic:SWALLOWING: MAY CAUSE HEADACHE,
NAUSEA, VOMITING, BREATHING DIFFICULTIES & WEAKNESS. POSSIBLE
KIDNEY DAMAGE MAY RESULT FROM INGESTION OF LARGE QUANITIES OF
MATERIAL. SKIN ABSORPTION: PROLONGED

OR WIDE SPREAD CONTACT MAY

RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS OF MATERIAL. EFFECTS MAY INCLUDE THOSE DESCRIBED FOR SWALLOWING. INHALATION: CAUSES IRRITATION OF THE RESPIRATORY TRACT, EXPERIENCED AS NASAL DISCOMFORT & DISCHARGE W/ CHEST PAIN & COUGHING. HEADACHE, NAUSEA & VOMITING MAY OCCUR. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DISCOMFORT & LOCAL REDNESS. EYE: LIQUID OR VAPOR CAUSES IRRITATION, EXPERIENCED AS STING

Explanation of Carcino

genicity: NO DATA PROVIDED BY MANUFACTURER

Effects of Overexposure:SWALLOWING: MAY CAUSE HEADACHE, NAUSEA, VOMITING, BREATHING DIFFICULTIES & WEAKNESS. POSSIBLE KIDNEY DAMAGE. SKIN ABSORPTION: PROLONGED OR WIDESPREAD CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALL Y HARMFUL AMOUNTS OF MATERIAL. EFFECTS MAY INCLUDE THOSE DESCRIBED FOR SWALLOWING. INHALATION: CAUSES IRRITATION OF THE RESPIRATORY TRACT, EXPERIENCED AS NASAL DISCOMFORT & DISCHARGE W/ CHEST PAIN & C OUGHING.

HEADACHE, NAUSEA

& VOMITING MAY OCCUR. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DISCOMFORT & LOCAL REDNESS. EYE: LIQUID OR VAPOR CAUSES IRRITATION, STINGING.

Medical Cond Aggravated by Exposure: A KNOWLEDGE OF THE AVAILABLE TOXICOLOGY INFORMATION AND THE PHYSICAL AND CHEMICAL PROPERTIES OF THE MATERIAL SUGGESTS THAT OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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First Aid:SWALL

OWING: IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES
OF WATER. INDUCE VOMITING. THIS SHOULD BE DONE ONLY BE MEDICAL OR
EXPERIENCED FIRST-AID PERSONNEL. OBTAIN MEDICAL ATTENTION. SKIN:
REMOVE CO NTAMINATED CLOTHING. WASH SKIN W/ SOAP & WATER. IF
IRRITATION PERSISTS OR IF CONTACT HAS BEEN PROLONGED, OBTAIN
MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. INHALATION: REMOVE
TO FRESH AIR. GIVE ART IFICIAL RESPIRATION IF NOT BREATHING, IF
BREATHING IS DIFFICULT, OXYGEN MAY

BE GIVEN BY QUALIFIED PERSONNEL.

OBTAIN MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES W/ WATER & CONTINUE WASHING FOR SEVER AL MINUTES. REMOVE CONTACT LENSES, IF

Flash Point Method:TCC Flash Point:=42.2C, 108.F Lower Limits:1.7@200F Upper Limits:15.6@200F

Extinguishing Media:APPLY ALCOHOL-TYPE OR ALL-PURPOSE FOAM BY MANUFACTURER'S RECOMMENDED TECHNIQUES FOR LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL MED

IA FOR SMALL FIRES.

Fire Fighting Procedures:DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS; THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:THIS MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD IN EXTREME FIRE CONDITIONS.

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

Spill Release Procedures: SMALL SPILLS CAN BE FLUSHED WITH LARGE AMOUNTS

OF WATER; LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL. WEAR SUITABLE PROTECTIVE EQUIPMENT.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:WARNING! HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CAUSES EYE IRRITATION. COMBUSTIBLE. MAY CAUSE DAMAGE TO BLOOD-FORMING TISSUE. MAY CAUSE DAMAGE TO TESTES. MAY CAUSE LIVER AND KIDNEY DAMAGE. DO NO T BREATHE VAPOR. USE WITH AD

EQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

Other Precautions: ACCIDENTAL CONTACT SHOULD BE WASHED AWAY IMMEDIATELY.

KEEP AWAY FROM HEAT AND FLAME. KEEP CONTAINER CLOSED. WASH

THOROUGHLY AFTER HANDLING. IN LABORATORY ANIMAL STUDIES, BIRTH

DEFECTS AND ADVERSE EFFE CTS ON PREGNANCY HAVE BEEN OBSERVED.

*MAXIMUM PERSONAL EXPOSURE LIMIT IN AIR 2 PPM (8-HOUR TIME WEIG

HTED AVERAGE).

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

Respiratory P

rotection:USE SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS.

Ventilation:GENERAL (MECHANICAL) ROOM VENTILATION IS EXPECTED TO BE SATISFACTORY WHERE THIS PRODUCT IS STORED & HANDLED IN CLOSED EQUIPMENT. SPECIAL, LOCAL VENTILATION IS

Protective Gloves:BUTYL. PROTECTIVE GLOVE INFORMATION HAS BEEN DETERMINED FOR THE "NEAT" CHEMICAL

Eye Protection: MONOGOGGLES

Other Protective Equipment:EYE BATH, SAFETY SHOWER. THIS PRODUCT IS OFTEN USED WITH OTHER CHEMICALS. IT I

S IMPORTANT THAT USERS ASSESS

THAT APPROPRIATE PROTECTION IS AFFORDED WHEN SUCH COMBINATION USE OCCURS.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

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

HCC:F4

Boiling Pt:=135.6C, 276.1F B.P. Text:760 MM HG

Vap

or Pres:4.1 MMHG Vapor Density:3.1 Spec Gravity:0.931 20/20C VOC Pounds/Gallon:929

Evaporation Rate & Dr. Reference: 0.4

Solubility in Water:100% AT 20C

Appearance and Odor:TRANSPARENT COLORLESS LIQUID; MILD NONRESIDUAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES. HIGH TEMPERATURES IN THE PRESENCE OF STRONG BASES. ACIDS. STRONG OXIDIZING AGENTS.

Stability Condition to Avoi

d:DO NOT DISTILL TO DRYNESS. AVOID EXCESSIVE TEMPERATURE OR PROLONGED REFLUX, SUCH AS IN BATCH DISTILLATIONS. Hazardous Decomposition Products:BURNING CAN PRODUCE THE FOLLOWING PRODUCTS: CARBON MONOXIDE AND/OR CARBON DIOXIDE. CARBON MONOXIDE IS HIGHLY TOXIC IF INHALED; CARBON DIOXIDE IN SUFFICIENT CONCENTRATIONS CAN ACT AS AN ASPHYXIANT. Conditions to Avoid Polymerization:WILL NOT OCCUR.
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Toxicological Informatio n:IN LABORATORY STUDIES OF ETHYLENE GLYCOL MONOETHYL ETHER, BIRTH DEFECTS, INCREASED FETAL LETHALITY AND DELAYED FETAL DEVELOPMENT HAVE BEEN OBSERVED IN OFFSPRING OF FEMALE ANIMALS EXPOSED DURING PREGNA NCY, WITH AN APPARENT THRESHOLD RESPONSE IN THE RANGE OF 100 PPM CONCENTRATION IN AIR.INCREASED FREQUENCY OF MISCARRIAGES AND INCREASED TIME TO PREGNANCY HAVE BEEN REPORTED IN EPIDEMIOLOGY STUDIES OF WOMEN WORKING IN SEMICONDUCTOR MANUFACTURING ACTIVITIES INVOLVING US E OF PHOTORESIST/DEVVELOPER SOLVENTS. ETHYLENE GLYCOL MONOETHYL ETHER MAY HAVE BEEN AMONG SOLVENTS USED IN ACTIVITIES USED IN THE ST UDIES.
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Ecological:NO DATA PROVIDED BY MANUFACTURER
========= Disposal Considerations ============
Waste Disposal Methods:INCINERATE IN A FURNACE WHERE PERMITTED UNDER FEDERAL, STATE AND LOCAL REGULATIONS. AT VERY LOW CONCENTRATIONS IN WATER, THIS PRODUCT IS BIODEGRADABLE IN A BIOLOGICAL WASTEWATER TREATMENT PLANT.
========== MSDS Transport Information ============
Transport Information:(FROM MANUFACTURER'S LABEL): DOT PROPER SHIPPING NAME: ETHYLENE GLYCOL MONOETHYL ETHER, PG III, NA-1993.
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SARA Title III Information:SARA TITLE III (40 CFR 355) (SECTIONS 302/304/311/312): NONE. SARA 313: ETHYLENE GLYCOL MONOETHYL ETHER, CAS# 110-80-5, 100%. SAR

- A 311/312: IMMEDIATE HEALTH, DELAYED HEALTH, FIRE.
- Federal Regulatory Information:TSCA: ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE EXPEMT FROM TSCA INVENTORY REQUIREMENTS.
- State Regulatory Information:CALIFORNIA SCAQMD RULE 443.1 VOC'S: VOC 929 G/L, VAPOR PRESSURE 4.1 MM HG @ 20C. PENNSYLVANIA RTK: ETHYLENE GLYCOL MONOETHYL ETHER, CAS# 110-80-5, 100%; MASSACHUSETTS RTK: ETHYLENE GLYCOL MONOETHYL ET HER, CAS# 110-80-5, 100%; CALIFORNIA PROPOSITION
- 65: ETHYLENE GLYCOL MONOETHYL ETHER IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. NEW YORK STATE BULK STORAGE REGULATIONS (6 NYCRR PARTS 595-599): COVERED FOR BULK STORAGE & RELEASE REPORTING & RESPONSE.

============ Other Information ==============================

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