

"EASTMAN" ETHYL ACETATE, 99%

MSDS Number

CKDMG

National Stock Number

6810-00-245-6694

Product Name

"EASTMAN" ETHYL ACETATE, 99%

Manufacturer

EASTMAN CHEMICAL PRODUCTS INC

Product Identification

Product ID:"EASTMAN" ETHYL ACETATE, 99%

MSDS Date:04/20/1990

FSC:6810

NIIN:00-245-6694

Status Code:A

MSDS Number: CKDMG

Responsible Party

EASTMAN CHEMICAL PRODUCTS, INC.

KINGSPORT , TN 37662

US

Emergency Phone: 615-229-6094

Info Phone: 615-229-6094

Cage: TO540

Contractor

PHOENIX INDUSTRIES INC

RICHMOND, VA 23222

US

264-5535

Cage: 0YED2

Ingredients

ETHYL ACETATE

CAS: 141-78-6

RTECS: AH5425000

OSHA PEL1400 MG/M3;400 PPM

ACGIH TLV: 1440 MG/M3;400 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ETHANOL

CAS: 64-17-5

RTECS: KQ6300000

OSHA PEL1900 MG/M3;1000 PPM

ACGIH TLV: 1880 MG/M3;1000 PPM

Hazards

LD50 LC50 Mixture:ORAL LD-50 RAT 5.60 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: INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. EYES: LOW HAZARD FOR USUAL INDUSTRIAL HANDLING. HOWEVER, ANY MATERIAL THAT CONTACTS THE EYE MAY BE IRRITATING OR MAY CAUSE MECHANICAL INJURY. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION. INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION (COMPONENTS PRESENT AT 0.1% OR MORE): NONE LISTED.

Effects of Overexposure:ACUTE: INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. EYES: LOW HAZARD FOR USUAL INDUSTRIAL HANDLING. HOWEVER, ANY MATERIAL THAT CONTACTS THE EYE MAY BE IRRITATING OR MAY CAUSE MECHANICAL INJURY. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION. INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

First Aid

First Aid:INHALATION: IN CASE OF IRRITATION BY VAPOR, REMOVE FROM EXPOSURE, TREAT SYMPTOMATICALLY, AND GET MEDICAL ATTENTION, IF SYMPTOMS PERSIST. EYES: ANY MATERIAL THAT CONTACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY AND MEDICAL ATTENTION OBTAINED IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND PLENTY OF WATER. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Fire Fighting

Flash Point Method:TCC

Flash Point:=-4.4C, 24.F

Autoignition Temp: =485.C, 905.F

Lower Limits:2.02% AT 38C

Upper Limits:10.7% AT 38C

Extinguishing Media:MEANS OF EXTINCTION: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR "ALCOHOL" FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. WATER MAY BE INEFFECTIVE IN FIGHTING THE FIRE.

Unusual Fire/Explosion Hazard:MATERIAL IS FLAMMABLE. VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

Accidental Release

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. WEAR A SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. FOR LARGE SPILLS, USE WATER SPRAY TO DISPERSE VAPORS AND DILUTE SPILL TO A NONFLAMMABLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Handling

Handling and Storage Precautions:KEEP FROM CONTACT WITH OXIDIZING MATERIALS. COMPLY WITH ALL NATIONAL, STATE OR PROVINCIAL & LOCAL CODES PERTAINING TO THE STORAGE, HANDLING, DISPENSING & DISPOSAL OF FLAMMABLE LIQUIDS.

Other Precautions:SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. RESIDUAL VAPORS MAY EXPLODE ON IGNITION; DO NOT CUT, DRILL, GRIND OR WELD ON OR NEAR THIS CONTAINER.

Exposure Controls

Respiratory Protection:AN APPROVED RESPIRATOR MUST BE WORN IF EXPOSURE IS LIKELY TO EXCEED RECOMMENDED EXPOSURE LIMITS. RESPIRATOR TYPE: ORGANIC VAPOR.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:IMPERMEABLE GLOVES ARE RECOMMENDED.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) ARE RECOMMENDED.

Other Protective Equipment:LOCAL EXHAUST VENTILATION OR AN ENCLOSED HANDLING SYSTEM MAY BE NEEDED TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. RECOMMENDED DECONTAMINATION FACILITIES:EYE BATH & WASHING FACILITIES.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

PREVENTIVE MEASURES: AVOID BREATHING VAPOR AT CONCENTRATIONS GREATER THAN THE EXPOSURE LIMITS. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

Chemical Properties

HCC:F2

Boiling Pt:=-77.8C, 172.F

Melt/Freeze Pt:=-82.6C, -117.F

Vapor Pres:AT 20C(68F): 86 MMHG

Vapor Density:3.04 AIR=1

Spec Gravity:(WATER=1) AT 20C: 0.90Z

pH:NOT AVAILABLE

Viscosity:AT 20C (68F): 0.4519

Evaporation Rate & Reference:(N-BUTYL ACETATE =1): 4.1

Solubility in Water:MODERATE

Appearance and Odor:COLORLESS LIQUID. ODOR: SWEET, ESTER.

Stability

Stability Indicator/Materials to Avoid:YES

MATERIAL CAN REACT VIOLENTLY WITH: OXIDIZERS.

Stability Condition to Avoid:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Hazardous Decomposition Products:HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:(OBSERVE ALL LAWS CONCERNING HEALTH AND ENVIRONMENT.): INCINERATION.

Toxicology

Toxicological Information:TOXICITY DATA: ORAL LD-50 (RAT) = 5.6 G/KG; INHALATION LC50 (RAT) >8,000 PPM; DERMAL LD50 (RABBIT) > 20 ML/KG; SKIN IRRITATION (RABBIT) = SLIGHT; EYE IRRITATION (RABBIT) = SLIGHT; SKIN SENSITIZATION (HUMAN) = NONE. SUBCHRONIC TOXICITY DATA: GUINEA PIGS EXPOSED TO 2000 PPM ETHYL ACETATE FOR 4H/DAY, 6 DAYS/WK SHOWED NO EVIDENCE OF HARM AFTER 65 EXPOSURES. MICE WERE NARCOTIZED BUT RECOVERED FROM 3-4 HR EXPOSURE TO 5000 PPM.CATS EXPOSED TO 9200 PPM DEMONSTRATED SALIVATION & COUGHING & EXPOSURE TO 17,000 PPM WAS LETHAL. DEATHS ATTRIBUTED TO PULMONARY EDEMA, HEMMORHAGE, HYPEREMIA.

Other Information

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Ecology

Ecological:PRODUCT HAS THE FOLLOWING PROPERTIES: HIGH BIOCHEMICAL OXYGEN DEMAND& A POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS, READY BIODEGRADABILITY TO UNACCLIMATED MICROORGANISMS AND A LOW POTENTIAL TO BIOCONCENTRATE. WHEN DILUTED WITH WATER, THIS MATERIAL RELEASED DIRECTLY OR INDIRECTLY INTO THE ENVIRONMENT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT. OXYGEN DEMAND DATA: COD: 1.54 G OXYGEN/G; BOD-5: 1.24 G OXYGEN/G. ACUTE AQUATIC EFFECTS: 96 H LC50-DAPHNID: 2500 MG/L; 48 H LC50-GOLDEN ORF: 270 MG/L.

Transport

Transport Information:US DOT CLASSIFICATION: FLAMMABLE LIQUID. DOT SHIPPING NAME & NUMBER: ETHYL ACETATE, UN1173. DOT REPORTABLE QUANTITY: 5000 LB. TDG (CANADA) CLASSIFICATION: CLASS 3.2, PACKING GROUP II. TDG SHIPPING NAME AND NUMBER: ETHYL ACETATE, UN1173. ICAO CLASSIFICATION: CLASS 3, PACKING GROUP II. ICAO SHIPPING NAME AND NUMBER: ETHYL ACETATE, UN1173. IMDG CLASSIFICATION: CLASS 3.2. IMDG SHIPPING NAME AND NUMBER : ETHYL ACETATE, UN 1173.

Regulatory

SARA Title III Information:CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR 372 (USA): NONE. SARA (USA) SECTIONS 311/312 HAZARD CLASSIFICATION: FIRE HAZARD.

Federal Regulatory Information:TSCA: THIS MATERIAL IS LISTED IN THE TSCA (USA) INVENTORY. OSHA (USA) HAZARDOUS CHEMICAL ACCORDING TO 29CFR 1910.1200. ETHYL ACETATE, ETHANOL.

State Regulatory Information:CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA (USA) TO CAUSE CANCER: NONE. CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA (USA) TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE.