

"EASTMAN" ETHYL ACETATE, URETHANE GRADE

MSDS Number

CLCRS

National Stock Number

6810-00-062-6954

Product Name

"EASTMAN" ETHYL ACETATE, URETHANE GRADE

Manufacturer

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

Product Identification

Product ID:"EASTMAN" ETHYL ACETATE, URETHANE GRADE

MSDS Date:01/20/1999

FSC:6810

NIIN:00-062-6954

Status Code:A

MSDS Number: CLCRS

Responsible Party

EASTMAN CHEM PRODUCTS A SUB OF EASTMAN KODAK CO

WILCOX DR AND LINCOLN ST

KINGSPORT , TN 37662

US

Emergency Phone: 800-EASTMAN

Info Phone: 615-229-6094/2000

Cage: 74364

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

Hazards

LD50 LC50 Mixture:ORAL LD50 (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:INHALATION: HIGH VAPOR CONCENTRATIONS

MAY CAUSE DROWSINESS AND IRRITATION. EYES: HIGH VAPOR

CONCENTRATIONS MAY CAUSE IRRITATION. SKIN: PROLONGED OR REPEATED

CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION. INGESTION:

EXPECTED TO BE A LOW INGESTION HAZARD.

Effects of Overexposure:INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION. EYES: HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION. INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

First Aid

First Aid:INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IN CASE OF IRRITATION FROM AIRBORNE EXPOSURE, MOVE TO FRESH AIR. IF EASY TO DO, REMOVE CONTACT LENSES. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. INGESTION: SEEK MEDICAL ADVICE.

Fire Fighting

Flash Point Method:TCC

Flash Point:=-4.C, 24.8F

Autoignition Temp: =485.C, 905.F

Lower Limits:2.02

Upper Limits:10.7

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE (CO2), FOAM.

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

Unusual Fire/Explosion Hazard:FLAMMABLE. VAPORS MAY CAUSE A FLASH FIRE OR IGNITE EXPLOSIVELY. VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. PREVENT BUILDUP OF VAPORS OR GASES TO EXPLOSIVE CONCENTRATIONS.

Accidental Release

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. FOR LARGE SPILLS: USE WATER SPRAY TO DISPERSE VAPORS AND DILUTE SPILL TO A NONFLAMMABLE MIXTURE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

Handling

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND FLAME. USE ONLY WITH ADEQUATE VENTILATION. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. COMPLY WITH ALL NATIONAL, STATE, AND LOCAL CODES PERTAINING TO THE STORAGE, HANDLING, DISPENSING, AND DISPOSAL OF FLAMMABLE LIQUIDS. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID BREATHING HIGH VAPOR CONCENTRATIONS. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 63 FR 1152, JANUARY 8, 1998.

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

Protective Gloves:CHEMICAL-RESISTANT GLOVES SHOULD BE WORN. CONTACT GLOVE MFR FOR SPECIFIC INFO

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

Other Protective Equipment:WEAR FULL-FACE RESPIRATOR, IF NEEDED.

RECOMMENDED DECONTAMINATION FACILITIES: EYE BATH, WASHING FACILITIES.

Supplemental Safety and Health

USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING

CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

Chemical Properties

HCC:F2
Boiling Pt: =78.C, 172.4F
Melt/Freeze Pt: =-83.C, -117.4F
Vapor Pres: 99 MBAR (75 MM HG)
Vapor Density: 3.0
Spec Gravity: 0.902
pH: NOT AVAILABLE
Viscosity: NOT AVAILABLE
Evaporation Rate & Reference: 4.1 (N-BUTYL ACETATE)
Solubility in Water: MODERATE
Appearance and Odor: COLORLESS LIQUID; SWEET, ESTER ODOR.

Stability

Stability Indicator/Materials to Avoid: YES
MATERIAL CAN REACT VIOLENTLY WITH STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.
Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.
Conditions to Avoid Polymerization: WILL NOT OCCUR.

Disposal

Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. INCINERATE. 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 .

Toxicology

Toxicological Information: INHALATION LC50 (RAT): 16,000 PPM/6 HOUR(S).
DERMAL LD50 (RABBIT): >20 ML/KG (HIGHEST DOSE TESTED). SKIN IRRITATION (RABBIT): VERY SLIGHT. SKIN SENSITIZATION (HUMAN): NONE. EYE IRRITATION (RABBIT) : SLIGHT. SUBCHRONIC TOXICITY DATA: INHALATION STUDY (11 WEEKS, GUINEA PIG): NOEL = 1000 PPM (ONLY CONCENTRATION TESTED). INHALATION STUDY (13 WEEKS, RAT): LOEL = 350 PPM; (TARGET ORGAN EFFECTS: NOS E); NOEL = NOT ESTABLISHED.
*LOEL = LOWEST-OBSERVED-EFFECT LEVEL, NOEL = NO OBSERVED-ADVERSE-EFFECT LEVEL, NOEL = NO-OBSERVED-EFFECT LEVEL.

Ecology

Ecological: DATA FOR THIS MATERIAL HAVE BEEN USED TO ESTIMATE ITS ENVIRONMENTAL IMPACT. IT HAS THE FOLLOWING PROPERTIES: A HIGH BIOCHEMICAL OXYGEN DEMAND AND A POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS, A LOW POTENTIAL TO PERSIST IN THE ENVIRONMENT, A LOW POTENTIAL TO BIOCONCENTRATE. WHEN DILUTED WITH A LARGE AMOUNT OF WATER, THIS MATERIAL RELEASED DIRECTLY OR INDIRECTLY INTO THE ENVIRONMENT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT. OXYGEN DEMAND DATA: THOD: 1.82 G OXYGEN/G.

Transport

Transport Information: DOT (USEA) STATUS: REGULATED, CLASS 3, PACKING GROUP II, DOT REPORTABLE QUANTITY: 5000 LB (2270 KG.). AIR - INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO), REGULATED, CLASS 3, PACKING GROUP II. SEA - INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG), REGULATED, CLASS 3.2, PACKING GROUP II.

Regulatory

SARA Title III Information: CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: NONE. SARA (U.S.A.) SECTIONS 311 AND 312 HAZARD CLASSIFICATION(S): FIRE HAZARD, IMMEDIATE (ACUTE) HEALTH HAZARD.
Federal Regulatory Information: US TOXIC SUBSTANCES CONTROL ACT (TSCA): THIS PRODUCT IS LISTED ON THE TSCA INVENTORY. ANY IMPURITIES

PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.