

EASTMAN CHEMICAL COMPANY -- EASTMAN ETHYL ACETATE 99% -- 6810-00-062-6954

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Product Identification  
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Product ID:EASTMAN ETHYL ACETATE 99%  
MSDS Date:04/20/1990  
FSC:6810  
NIIN:00-062-6954  
Status Code:A  
MSDS Number: CLCWX  
=== Responsible Party ===  
Company Name:EASTMAN CHEMICAL COMPANY  
City:KINGSPORT  
State:TN  
ZIP:37662  
Country:US  
Info Phone Num:423-229-2000 EM HLTH:800-EASTMAN  
Emergency Phone  
Num:423-229-2000  
Resp. Party Other MSDS Num.:10,136A  
CAGE:TO540  
=== Contractor Identification ===  
Company Name:EASTMAN CHEMICAL COMPANY  
City:KINGSPORT  
State:TN  
ZIP:37662  
Country:US  
Phone:423-229-2000 EM HLTH:800-EASTMAN  
CAGE:TO540  
Company Name:PHOENIX INDUSTRIES INC  
Address:1519 CHAMBERLAYNE PARKWAY  
Box:City:RICHMOND  
State:VA  
ZIP:23222  
Country:US  
Phone:804-264-5183/FAX: 264-5535  
Contract Num:SP0450-01-M-D997  
CAGE:0YED2

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Composition/Information on Ingredients  
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Ingred

Name:ETHYL ACETATE  
CAS:141-78-6  
RTECS #:AH5425000  
= Wt:99.  
OSHA PEL:1400 MG/M3;400 PPM  
ACGIH TLV:1440 MG/M3;400 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHANOL  
CAS:64-17-5  
RTECS #:KQ6300000  
= Wt:1.  
OSHA PEL:1900 MG/M3;1000 PPM  
ACGIH TLV:1880 MG/M3;1000 PPM

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

LD50 LC50 Mixture:ORAL RAT LD50 = 5.6 G/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic: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.

Effects of Overexposure:SKIN: DRYING, CRACKING OR IRRITATION.  
INHALATION: DROWSINESS AND IRRITATION. EYES: IRRITATION.

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

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.

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Fire Fighting Measures  
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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, 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 CON  
TAINERS COOL. WATER MAY BE  
INEFFECTIVE IN FIGHTING THE FI RE.

Unusual Fire/Explosion Hazard: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.

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Accidental Release Measures  
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Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. WEAR A  
SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL  
PROTECTIVE EQUIP

MENT. FOR LARGE SPILLS, USE WATER SPRAY TO DISPERSE  
VAPORS AND DILUTE SPILL TO A NONF LAMMABLE MIXTURE. PREVENT RUNOFF  
FROM ENTERING DRAINS, SEWERS, OR STREAMS.

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Handling and Storage  
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Handling and Storage Precautions:KEEP FROM CONTACT WITH OXIDIZING  
MATERIALS. COMPLY WITH ALL NATIONAL, STATE OR PORVINCIAL, AND LOCAL  
CODES PERTAINING TO THE STORAGE, HANDLING, DISPENSING, AND DISPOSAL  
OF FLAMMABLE LIQUIDS. SINCE EMP Y CONTAINERS RE

TAIN PRODUCT

RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

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Exposure Controls/Personal Protection  
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Respiratory Protection:AN APPROVED RESPIRATOR MUST BE WORN IF EXPOSURE  
IS LIKELY TO EXCEED RECOMMENDED EXPOSURE LIMITS. RESPIRATOR TYPE:  
ORGAINC VAPOR. AVOID BREATHING VAPOR AT CONCENTRATIONS GREATER THAN  
THE EXPOSURE LIMIT S.

Ventilation:LOCAL EXHAUST VENTILATION OR AN ENCLOSED HANDLING SYSTEM  
MAY BE NEEDED TO CONTROL AIRBORNE LEV

ELS BELOW THE EXPOSURE LIMITS.

Protective Gloves:IMPERMEABLE

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:EYE BATH AND WASHING FACILITIES.

Work Hygienic Practices:AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

Supplemental Safety and Health

TIIR & SPECS DATA SAYS ETHYL ACETATE 85-88%, BUT THERE IS EXCEPTION TO IT IN PID DATA , WHICH SAYS EHTYLACETATE PERCENT SHALL BE 99 TO 100 %.

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

HCC:F2

Boiling Pt:=78.C, 172.4F

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

Vapor Pres:86 MM HG

Vapor Density:3.04

Spec Gravity:0.902@68F

pH:NA

Viscosity:0.4519 CP

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

Appearance and Odor:COLORLESS LIQUID, SWEET, ESTER ODOR

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

Stability Indicator/Materials to Avoid:YES

MATERIAL CAN REACT VIOLENTLY WITH OXIDIZERS.

Stability Condi

on to Avoid:OPEN FLAMES, HIGH TEMPERATURES.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:INHALATION LC50 RAT >8000 PPM; DERMAL LD50

RABBIT > 20 ML/KG; SKIN & EYE IRRITATION (RABBIT): SLIGHT; SKIN

SENSITIZATION (HUMAN): NONE. HUMAN SUBJECTS HAVE FOUND ETHYL

ACETATE IRRITATING AT 400 PPM BU T INDUSTRIAL EXPERIENCE INDICATE

S

THAT HIGHER CONCENTRATIONS CAN BE TOLERATED. NO ANESTHETIC SYMPTOMS OCCUR AT 400 PPM TO 600 PPM EVEN WITH 2 TO 3 H EXPOSURE. A CONCENTRATION OF 8600 TO 20,000 PPM HAS BEEN CONSIDERED DANGEROUS TO HUMANS FOR SHORT EXPOSURE.

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Ecological Information  
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Ecological: WHEN DILUTED WITH WATER, THIS MATERIAL RELEASED DIRECTLY OR INDIRECTLY INTO THE ATMOSPHERE IS NOT EXPECTED TO HAVE SIGNIFICANT IMPACT. IT HAS A HIGH BIOCHEMICAL OXYGEN DEMAND AND A POTENTIAL TO AFFECT AQUATIC ORGANISMS, READILY BIODEGRADABILITY BY UNACCLIMATED MICROORGANISMS, AND A LOW POTENTIAL TO BIOCONCENTRATE. OXYGEN DEMAND DATA: COD 1.54 G OXYGEN/G; BOD- 1.24 G OXYGEN/G. ACUTE AQUATIC EFFECTS :96 H LC50: DAPHNIA 2500 MG/L OR MICROLITER/L; 48 H LC50 GOLDEN ORFEE 270 MG/L OR MICROLITER/L.

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Disposal Considerations  
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Waste Disposal Methods: KEEP FROM CONTACT WITH OXIDIZING MATERIALS. COMPLY WITH ALL NATIONAL, STATE OR PROVINCIAL, AND LOCAL CODES PERTAINING TO THE STORAGE, HANDLING, DISPENSING, AND DISPOSAL OF FLAMMABLE LIQUIDS.

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MSDS Transport Information  
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Transport Information: PSN: ETHYL ACETATE, 3, UN1173, II.

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Regulatory Information  
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SARA Title III Information: CHEMICALS SUBJECT TO THE REPORTING REQUIREMENT OF SARA SECTION 313 (40CFR372.65): NONE. SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21): FIRE HAZARD.

Federal Regulatory Information: OSHA HAZARDOUS CHEMICALS ACCORDING TO 29CFR 1910.1200: ETHYL ACETATE. TSCA INVENTORY STATUS: THIS MATERIAL IS LISTED ON THE TSCA INVENTORY.

State Regulatory Information: CALIFORNIA PROPOSITION 65 - THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS. EINECS: THIS PRODUCT IS LISTED IN THE EINECS (EEC INVENTORY) .

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Other  
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Information =====

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