

CELANESE LTD, CHEMICALS DIVISION -- 227711, ETHYL ACETATE -- 6810-00-062-6954
===== Product Identification =====

Product ID:227711, ETHYL ACETATE

MSDS Date:04/17/2000

FSC:6810

NIIN:00-062-6954

Status Code:A

MSDS Number: CKXWW

=== Responsible Party ===

Company Name:CELANESE LTD, CHEMICALS DIVISION

Address:1601 W LBJ FREEWAY

Box:819005

City:DALLAS

State:TX

ZIP:75381-9005

Country:US

Info Phone Num:9

72-443-4000

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:34

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO228

=== Contractor Identification ===

Company Name:CELANESE LTD, CHEMICALS DIVISION

Address:1601 W LBJ FREEWAY

Box:819005

City:DALLAS

State:TX

ZIP:75381-9005

Country:US

Phone:972-443-4000

CAGE:UO228

Company Name:COMPTECH CORP

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279; 301-519-3401

Contract Num:SP0450-01-M-D509

CAGE:0BR38

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

Ingred Name:ETHYL ACETATE

CAS:141-78-6

RTECS #:AH5425000

= Wt:99.5

OSHA PEL:1400 MG/M3;400 PPM

ACGIH TLV:1440 MG/M3;400 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

==== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 RAT =5620 TO 10170 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:SKIN: REPEATED OR PROLONGED CONTACT
CAN CAUSE DRYING O

F SKIN. EYE: VAPOR AND LIQUID ARE IRRITATING TO

THE EYES. INHALATION: VAPORS ARE IRRITATING TO NASAL PASSAGES AND
THROAT. HIGH CONCENTRATIONS CAN CAUSE STUPOR AND HEADACHES.

INGESTION: CAN CAUSE HEADACHE, DROWSINESS AND UNCONSCIOUSNESS.

Explanation of Carcinogenicity:NO STUDIES CONDUCTED ACCORDING TO
ESTABLISHED SCIENTIFIC PRINCIPLES.

Effects of Overexposure:SKIN: REPEATED OR PROLONGED CONTACT CAN CAUSE
DRYING OF SKIN. EYE: VAPOR AND LIQUID ARE IRRITATING TO THE EYES.
IN

HALATION: VAPORS ARE IRRITATING TO NASAL PASSAGES AND THROAT.

HIGH CONCENTRATIONS CAN CAUSE STUPOR AND HEADACHES. INGESTION: CAN
CAUSE HEADACHE, DROWSINESS AND UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:SIGNIFICANT EXPOSURE TO THIS
CHEMICAL MAY ADVERSELY AFFECT PEOPLE WITH CHRONIC DISEASE OF THE
RESPIRATORY SYSTEM, SKIN AND/OR EYES.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING AND WASH CONTAMINATED
SKIN

WITH LARGE AMOUNTS OF AND WATER. IF IRRITATION PERSISTS, CONTACT A
PHYSICIAN. EYE: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.

CONTACT A PHYSICIAN IMMEDIATELY. INHALATION: REMOVE PATIENT FROM
CONTAMINATED AREA. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL
RESPIRATION, THEY OXYGEN IF NEEDED. CONTACT A PHYSICIAN

IMMEDIATELY. INGESTION: IN DUCE VOMITING OF CONSCIOUS PATIENT

IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND PRESSING FINGER DOWN
THROAT. CONTACT A PH

YSICIAN IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:=-4.4C, 24.F

Lower Limits:2. PER

Upper Limits:11.4 PER

Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES;
ALCOHOL-TYPE AQUEOUS FILM-FORMING FOAM OR WATER SPRAY FOR LARGE
FIRES. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE

Fire Fighting Procedures:IF POTENTIAL FOR EXPOSURE TO VAPORS OR
PRODUCTS OF COMBUSTION EXISTS. WEAR COMPLET

E PERSONAL PROTECTIVE

EQUIPMENT, INCLUDING SELF CONTAINED BREATHING APPARATUS WITH FULL
FACE-PIECE OPERATED IN PRESSUR E DEMAND OR OTHER POSITIVE PRESSURE
MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVERIER THAN AIR ANC CAN

TRAVEL CONDISERABLE DISTANCES TO A SOURCE OF IGNITION AND FLASH
BACK. MATERIAL CREATES A SPECIAL HAZARD BECAUSE IT FLOATS ON WATER.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES

. AVOID EYE OR SKIN

CONTACT. PLACE LEAKING CONTAINERS IN WELL-VENTILATED AREA WITH
SPILL CONTAINMENT. IF FIRE POTENTIAL EXISTS, BLANKET SPILL WITH
ALCOHOL-TYPE AQUEOUS-TYPE F ILM-FORMING FOAM OR USE WATER SPRAY TO
DISPERATE VAPORS. CONTAIN SPILL TO FACILITATE CLEAN-UP. AVOID
RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO NATURAL
WATERWAYS.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER,

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

Handlin

g and Storage Precautions:HANDLING: CLOSED CONTAINERS EXPOSED TO
TEMPERATURES ABOVE 49 DEG C (120 F) IN TRANSIT OR STORAGE MAY
DEVELOP EXECSSIVE VAPOR PRESSURE. ALWAYS OPEN CONTAINERS SLOWLY TO
ALLOW ANY EXCESS PRESSURE TO VEN T. USE WITH ADEQUATE VENTILATION.
KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID BREATHING VAPOR.

Other Precautions:AVOID CONTACT WITH EYES, SKIN OR CLOTHES. WHEN
TRANSFERRING, USE PROPER GROUNDING PROCEDURES. USE SPARK-RESISTANT
TOOLS. KEEP CONTAININE

RS TIGHTLY CLOSED WHEN NOT IN USE. STORE OUT OF DIRECT SUNLIGHT AND ON AN IMPERMEABLE FLOOR. DO NOT STORE WITH INCOMPATIBLE MATERIALS.

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

Respiratory Protection:BASED ON WORKPLACE CONTAMINATE LEVEL & LIMITS OF THE RESPIRATOR, USE A NIOSH APPROVED

RESPIRATOR.GUIDELINES:CONCENTRATION ≥ 1 & 10 AND IDLH: SCBA.

Ventilation:LOCAL VENTILATION IS PREFERRED. EXPLOSION-PROOF EQUIPMENT SHOULD BE USED.

Protective Glov

es:BUTYL RUBBER

Eye Protection:WEAR CHEMICAL GOGGLES WHEN THERE IS A REASONABLE CHANCE OF EYE CONTACT

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AND GLOVES TO PREVENT REPEATED OR PROLONGED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP & WATER AFTER HANDLING. DECONTAMINATE SOILED CLOTHING THOROUGHLY BEFORE RE0USE. DESTROY CONTAMINATED LEATHER CLOTHING.

Supplemental Safety and Health

NO DATA PROVIDED BY MANUFACTURER

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

HCC:F2

Boiling Pt:=77.C, 170.6F

B.P. Text:760 MM HG

Melt/Freeze Pt:=-83.C, -117.4F

Vapor Pres:73.0 MM HG (20 C)

Vapor Density:3.0 AIR=1

Spec Gravity:0.901H20=1 @ 20/20 C

Evaporation Rate & Reference:4.5 BUAC=1

Solubility in Water:8.7% BY WT @ 20 DEG C

Appearance and Odor:CLEAR, COLORLESS MOBILE LIQUID, STRONG FRUITY ODOR

Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE, NITRIC ACID, PERCHLORIC ACID OR CHROMIUM TRIOXIDE.

Stability Condition to Avoid:HEAT, SPARKS, FLAME

Hazardous Decomposition Products:CARBON MONOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:ORAL LD50: 5620-10170 MMG/KG (RATS)

PRACTICALLY NON-TOXIC; INHALATION: LC50 (RATS, 1 HR) > 200 MG/L;

PRACTICALLY NON-TOXIC; SKIN: ETHYL ACETATE WAS N

OT IRRITATING TO

RABBIT SKIN. EYES: LIQUID MILDLY T O MODERATELY IRRITATING TO

RABBIT EYES, VAPORS AT 400 PPM REPORTED TO CAUSE HUMAN EYE

IRRITATION; MUTAGENICITY: IN VITRO: RESULTS WERE EQUIVOCAL, IN

VIVO: NOT MUTAGENIC: ETHYL ACETATE WAS NEGATIVE IN THREE SEPARATE

MICRONUCLEUS TESTS. REPRODUCTIVE/DEVELOPMENTAL EFFECTS: IN

SUBCHRONIC INHALATION STUDY THERE WERE NO EFFECTS AT ANY DOSE

LEVEL.

===== Ecological Information =====

Ecolog

ical:ETHYL ACETATE EXHIBITS LOW ACUTE TOXICITY TO AQUATIC

ORGANISMS. EG: FISH (PIMEPHALES PROMELAS): 48 HR, LC50 = 270 PPM;

FISH (PIMEPHALES PROMELAS): 96 HR, LC50 = 230 PPM. CHRONIC

EXPOSURE: FISH (POME P HALES PROMELAS): 32-DAY CHRONIC LOEC = 9.65

PPM. ENVIRONMENTAL FATE: DEGRADATION: ETHYL ACETATE WAS "READILY

BIODEGRADABLE" WHEN TESTED ACCORDING TO OECD GUIDELINE 301D, READY

BIODEGRADABILITY: CLOSE D BOTTLE TEST AND HAD "100% DEGRADATION

WHEN TESTED ACCORDING TO

OECD GUIDELINE 303A. BOD5/CODRATION WAS

0.81 WHEN TESTED UNDER AEROBIC CONDITIONS. BIOACCUMULATION: LOG

OCTANOL/WATER PARTITION COEFFIC IENT: 0.6.

===== Disposal Considerations =====

Waste Disposal Methods:ALL NOTIFICATION, CLEAN-UP AND DISPOSAL SHOULD

BE CARRIED OUT IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL

REGULATIONS. PREFERRED METHODS OF WASTE DISPOSAL ARE INCINERATION

OR BIOLOGICAL TREATMENT IN F EDERAL/STATE APPROVED FACILITY.

HA

ZARDOUS WASTE CODE: U112, D001.

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===== MSDS Transport Information =====

Transport Information:SHIPPING NAME: ETHYL ACETATE. HAZARD CLASS: 3,
FLAMMABLE LIQUID. UNITED NATIONS NUMBER: UN1173. PACKING GROUP: II.
NORTH AMERICAN ER GUIDE: 129. DOT REPORTABLE QUANTITY (RQ): 5000
LB/2270 KG. TRANSPOR TATION OF DANGEROUS GOODS CLASSIFICATION:
FLAMMABLE LIQUID, 3.

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===== Regulatory Information =====

SARA Title III Informati

on:SARA 304: ETHYL ACETATE, 99.5% (CAS#
141-78-6). SARA 311: ACUTE HEALTH-YES, CHRONIC HEALTH-NO, FIRE-YES,
SUDDEN RELEASE OF PRESSURE-NO, REACTIVE-NO. CERCLA: ETHYL ACETATE,
99.5% (CAS# 141-78-6).

Federal Regulatory Information:WE CERTIFY THAT ALL COMPONENTS ARE
EITHER ON THE TSCA INVENTORY OR QUALIFY FOR AN EXEMPTION. EXPORT OF
THIS PRODUCT REQUIRES A TSCA 12(B) EXPORT NOTIFICATION DUE TO THE
FOLLOWING CHEMICAL(S) BEING SUB JECT TO A TSCA SECTION 4 TEST RULE:
ETHYL
ACETATE.

State Regulatory Information:THE FOLLOWING CHEMICALS ASSOCIATED WITH
THIS PRODUCT ARE SUBJECT TO THE RIGHT-TO-KNOW REGULATIONS IN THESE
STATES: ETHYL ACETATE (141-78-6): CT, FL, IL, MA, NJ, NY, PA, RI.

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

Disclaimer (provided with this information by the compiling agencies):
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assume responsibility for the suitability of this information to their
particular situation.