



chemists helping chemists in research & industry

aldrich chemical co.

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CUST # 938609 P.O. #
DATE: 03/10/87

M A T E R I A L S A F E T Y D A T A S H E E T

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IDENTIFICATION

PRODUCT # 11002-7 NAME: ETHYL ACETATE, 99.5+%
CAS # 141-78-6

TOXICITY HAZARDS

RTECS # AH5425000

ACETIC ACID, ETHYL ESTER

IRRITATION DATA

EYE-HMN 400 PPM

TOXICITY DATA

ORL-RAT LD50:5620 MG/KG

IHL-RAT LC50:1600 PPM/8H

ORL-MUS LD50:4100 MG/KG

IPR-MUS LD50:709 MG/KG

SCU-CAT LD50:3000 MG/KG

ORL-RBT LD50:4935 MG/KG

ORL-GPG LD50:5500 MG/KG

SCU-GPG LD50:3000 MG/KG

JIHTAB 25,282,43

YKYUA6 32,1241,81

14CYAT 2,1879,63

GISAAA 48(4),66,83

SCCUR* -5,61

AGGHAR 5,1,33

IMSUAI 41,31,72

GISAAA 48(4),66,83

AGGHAR 5,1,33

REVIEWS, STANDARDS, AND REGULATIONS

MSHA STANDARD-AIR:TWA 400 PPM (1400 MG/M3) DTLVS* 3,102,71

OSHA STANDARD-AIR:TWA 400 PPM FEREAC 39,23540,74

EPA GENETIC TOXICOLOGY PROGRAM, JANUARY 1984

REPORTED IN EPA TSCA INVENTORY, 1983

NIOSH MANUAL OF ANALYTICAL METHODS VOL 2 S49 NIMAM*

NIOSH MANUAL OF ANALYTICAL METHODS TO BE REVISED BY JUNE, 1985

MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREAC 47,30420,
82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES SKIN IRRITATION.

VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER

RESPIRATORY TRACT.

PROLONGED EXPOSURE CAN CAUSE:

NAUSEA, HEADACHE AND VOMITING

NARCOTIC EFFECT.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT,
GIVE OXYGEN.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

MELTING POINT: -84 C

BOILING POINT: 77 C

SPECIFIC GRAVITY: 0.902

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CATALOG # 11002-7

NAME: ETHYL ACETATE, 99.5+%

----- FIRE AND EXPLOSION HAZARD DATA -----

FLASH POINT: 26 F

EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

WATER MAY BE EFFECTIVE FOR COOLING, BUT MAY NOT EFFECT EXTINGUISHMENT.

SPECIAL FIRE FIGHTING PROCEDURES

FLAMMABLE LIQUID.

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

PREVENT CONTACT WITH SKIN AND EYES.

USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.

CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

FORMS EXPLOSIVE MIXTURES IN AIR.

----- REACTIVITY DATA -----

INCOMPATIBILITIES

OXIDIZING AGENTS

BASES

ACIDS

MOISTURE

HEAT

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SHUT OFF ALL SOURCES OF IGNITION.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

COVER WITH AN ACTIVATED CARBON ADSORBENT, TAKE UP AND PLACE IN CLOSED CONTAINERS. TRANSPORT OUTDOORS.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE.

OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

CHEMICAL SAFETY GOGGLES.

RUBBER GLOVES

SAFETY SHOWER AND EYE BATH.

USE ONLY IN A CHEMICAL FUME HOOD.

OSHA/MSHA-APPROVED RESPIRATOR IN NONVENTILATED AREAS AND/OR FOR EXPOSURE ABOVE TLV.

DO NOT BREATHE VAPOR.

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

WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

KEEP TIGHTLY CLOSED.

USE NONSPARKING TOOLS.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

PROTECT FROM MOISTURE.

STORE IN A COOL DRY PLACE.

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----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

ADDITIONAL INFORMATION

ETHYL ACETATE IS SLOWLY DECOMPOSED BY MOISTURE. IT REACTS EXPLOSIVELY WITH LITHIUM ALUMINUM HYDRIDE.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.



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