

PHARMCO PRODUCTS INC -- 200 PROOF ETHYL ALCOHOL -- 6810-00-264-5906

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Product Identification
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Product ID:200 PROOF ETHYL ALCOHOL
MSDS Date:03/01/1997
FSC:6810
NIIN:00-264-5906
Status Code:A
MSDS Number: CJJYX
=== Responsible Party ===
Company Name:PHARMCO PRODUCTS INC
Address:58 VALE ROAD
City:BROOKFIELD
State:CT
ZIP:06804-3967
Country:US
Info Phone Num:800-243-5360, 203-740-3471
Emergen
cy Phone Num:203-740-3471
Resp. Party Other MSDS Num.:MSDS006, REVISION 1.0
Chemtec Ind/Phone:(800)424-9300
CAGE:69267

=== Contractor Identification ===
Company Name:PHARMCO PRODUCTS INC.
Address:58 VALE ROAD
Box:City:BROOKFIELD
State:CT
ZIP:06804-3967
Country:US
Phone:203-740-3471
Contract Num:SP0450-99-M-C191
CAGE:69267

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Composition/Information on Ingredients
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Ingred Name:ETHANOL
CAS:64-17-5
RTECS #:KQ6300000
= Wt:11.
OSHA PEL:1900 MG/M3;1000 PPM
ACGIH TLV:1880 M

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

Health Hazards Acute and Chronic: EFFECTS OF REPEATED OVEREXPOSURE: LONG TERM REPEATED ORAL EXPOSURE TO ETHANOL MAY RESULT IN THE DEVELOPMENT OF PROGRESSIVE LIVER INJURY WITH FIBROSIS. OTHER HEALTH HAZARDS: REPEATED INGESTION OF ETHANOL BY PREGNANT MOTHERS HAVE SHOWN TO ADVERSELY AFFECT THE CENTRAL NERVOUS SYSTEM OF THE FETUS, PRODUCING A COLLECTION EFFECT WHICH TOGETHER CONSTITUTE FETAL

ALCOHOL SYNDROME. THESE INCLUDE MENTAL & PHYSICAL RETARDATION, DISTURBANCES OF LEARNING, MOTOR AND LANGUAGE DEFICIENCIES, BEHAVIORAL DISORDERS AND SMALL SIZE HEAD.

Explanation of Carcinogenicity: NOT CLASSIFIED AS A HUMAN CARCINOGEN, Effects of Overexposure: SWALLOWING-MAY CAUSE DIZZINESS, FAINTNESS, DROWSINESS, DECREASED AWARENESS OR RESPONSIVENESS, NAUSEA, VOMITING, STAGGERING GAIT, LACK OF COORDINATION, & COMA. INHALATION-HIGH VAPOR CONCENTRATION MAY CAUSE BURNING SENSATION IN

NOSE & THROAT & STINGING & WATERING IN THE EYES. AT CONCENTRATIONS WHICH CAUSE IRRITATION, DIZZINESS, FAINTNESS, DROWSINESS, NAUSEA AND VOMITING MAY ALSO OCCUR. SKIN CONTACT- NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATION. EYE CONTACT-MAY CAUSE IRRITATION INCLUDING STINGING, TEARING AND REDNESS.

Medical Cond Aggravated by Exposure: REPEATED EXPOSURE TO ETHANOL MAY AGGRAVATE LIVER INJURY PRODUCED FROM OTHER CAUSES.

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

First Aid: OBTAIN MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE. SWALLOWING-IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER. INDUCE VOMITING. OBTAIN MEDICAL ATTENTION. SKIN-WASH SKIN WITH SOAP AND WATER FOR AT LEAST 15 MIN. INHALATION-REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING; IF BREATHING IS DIFFICULT OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL. OBTAIN MEDICAL ASSISTANCE IF DISCOMFORT PERSISTS. EYE CONTACT-FLUSH EYES WITH WATER FOR AT LEAST 15 MIN.

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

Flash Point Method: TCC
Flash Point: =14.4C, 58.F
TOC=70F/21C

Extinguishing Media: APPLY ALCOHOL-TYPE OR ALL-PURPOSE FOAM BY MANUFACTURER'S RECOMMENDED TECHNIQUES FOR LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL MEDIA FOR SMALL FIRES.

Fire Fighting Procedures: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. USE WATER SPRAY TO DISPERSE VAPORS-RE-IGNITE

ION IS POSSIBLE; USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL TO SOURCE OF IGNITION AND FLASH BACK. VAPORS MAY SETTLE IN LOE OR CONFINED SPACES. MAY PRODUCE FLOATING FIRE HAZARD. STATIC IGNITION HAZARD CAN RESULT FROM HANDLING AND USE.

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

Spill Release Procedures:SMALL SPILLS CAN BE FLUSHED WITH LARGE AMOUNTS OF WATER.

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Handling and Storage =====

Handling and Storage Precautions:FLAMMABLE MATERIAL-KEEP AWAY FROM HEAT, SPARKS AND FLAME; SUDDEN RELEASES OF HOT ORGANIC VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURES MAY RESULT IN IGNITIONS WITHOUT THE P RESENCE OF OBVIOUS IGNITION SOURCES.

Other Precautions:AVOID CONTACT WITH EYES. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. GROUND CONTAINER WHEN TRANSFERRING PRODUCT. VAPORS MAY COLLECT IN CONTAINERS; TREAT EMPTY CONTAINERS AS HAZARDOUS. WASH T THOROUGHLY AFTER HANDLING. VAPORS MAY SETTLE IN LOW OR CONFINED AREAS.

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

Respiratory Protection:USE SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATION.

Ventilation:SPECIAL, LOCAL VENTILATION IS NEEDED WHERE VAPORS ESCAPE TO THE WORKPLACE AIR.

Protective Gloves:YES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:LAB COAT OR UNIFORM, EYE WASH, SAFETY SHOWER

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=78.2C, 172.8F

Melt/Freeze Pt:=-114.C, -173.2F

Vapor Pres:44.6 MMHG

Vapor Density:1.6

Spec Gravity:.7906 @ 20/20C

Evaporation Rate & Reference:3.3.(BUTYL ACETATE=1)

Solubility in Water:100%

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC ODOR

Percent Volatiles by Volume:100%

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

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Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS; STRONG INORGANIC ACIDS
Stability Condition to Avoid: NONE KNOWN
Hazardous Decomposition Products: CARBON MONOXIDE AND/OR CARBON DIOXIDE

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

Waste Disposal Methods: VAPORS MAY COLLECT IN EMPTY CONTAINERS. TREAT EMPTY CONTAINERS AS HAZARDOUS. DISPOSE OF SPILL-CLEAN UP AND OTHER WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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

Transport Information: PROPER SHIPPING NAME: ETHYL ALCOHOL. HAZARD CLASS: 3. UN NUMBER: 1170. IMO INFORMATION: ETHANOL OR ETHANOL SOLUTIONS. LABEL OF CLASS: 3. PACKING GROUP: II. INTERMEDIATE FLASHPOINT GROUP.

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

SARA Title III Information: COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THIS STATUE ARE: NONE.
Federal Regula

tory Information: CERCLA: COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH REQUIRE REPORTING UNDER THIS STATUE ARE: ACETONE, METHANOL AND ACETALDEHYDE. TSCA: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

State Regulatory Information: CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS TRACE LEVELS OF ACETYLDEHYDE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. MASSACHUSETTS: HAZARDOUS SUBSTANCE AND EXTRAORDINARILY HAZARDOUS SUBSTANCES MUST BE IDENTIFIED.

COMPONENTS PRESENT WHICH COULD REQUIRE REPORTING: ACETYLDEHYDE (UPPER BOND CONC. 0.002%). HAZARDOUS: ETHANOL (UPPER BOND CONC. 100%). PENNSYLVANIA: HAZARDOUS SUBSTANCE MUST BE IDENTIFIED. HAZARDOUS: ETHANOL UPPER BOND CONC. 100%. CALIFORNIA SCAQMD RULE 443.1 (VOC): VOC 790G/L ; VAPOR PRESSURE 44.6 MMHG@20C.

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