

PHARMCO PRODUCTS INC -- ETHANOL, PURE, 190 PROOF -- 6505-00-104-9000

=====
Product Identification
=====

Product ID:ETHANOL, PURE, 190 PROOF

MSDS Date:05/08/1992

FSC:6505

NIIN:00-104-9000

MSDS Number: BWXQK

=== Responsible Party ===

Company Name:PHARMCO PRODUCTS INC

Address:58 VALE ROAD

City:BROOKFIELD

State:CT

ZIP:06804-3967

Country:US

Info Phone Num:203-740-3471 FAX 203-740-3481

Emergency Phone

Num:800-243-5360, CHEMTREC: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

CAGE:69267

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

Ingred Name:ETHANOL (ETHYL ALCOHOL), TECSOL, ALCOHOL

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 92.4%

Other REC Limits:1900 MG/CUM

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 7.6%

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

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN: POTENTIALLY HARMFUL AMOUNTS MAY BE ABSORBED IF DAMAGED. INHALATION: IRRITATION OF RESPIRATORY TRACT. EYES: IRRITATION. LONG TERM REPEATED ORAL EXPOSURE MAY RESULT IN PROGRESSIVE LIVER INJURY W/F IBROSIS. REPEATED INGESTION
B

Y PREGNANTMOTHERS HAS ADVERSE EFFECTS ON CNS OF FETUS.

Explanation of Carcinogenicity:NONE

Effects of

Overexposure:IRRITATION/DIZZINESS/FAINTNESS/DROWSINESS/DECREASED AWARENESS-RESPONSIVENESS/EUPHORIA/DISCOMFORT/NAUSEA/VOMITING/STAGGERING GAIT/LACK OF COORDINATION/COMA/DISCHARGE/CHEST PAIN/COUGHING/REDNESS/STINGING/EXCESSIVE BLINKING-TEARING.

Medical Cond Aggravated by Exposure:PRE-EXISTING LIVER INJURY, DAMAGED SKIN.

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

First Aid:INGESTION: IF CONSCIOUS, GIVE TWO GLASSES OF WATER & INDUCE VOMITING. SKIN: WASH W/SOAP & WATER. EYES: IMMEDIATELY FLUSH W/WATER FOR SEVERAL MINS. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE TO PHYSICIAN: UNABSORBED ETHANOL SHOULD BE REMOVED BY GASTRIC LAVAGE AFTER INTUBATING TO PREVENT ASPIRATION. (SEE SUPP)

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

Flash Point

Method:TCC

Flash Point:62F

Lower Limits:3.3

Upper Limits:19

Extinguishing Media:LARGE: ALCOHOL-TYPE/ALL-PURPOSE-TYPE FOAM. SMALL: CO2, DRY CHEMICAL.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS & STRUCTURES. USE WATER SPRAY TO DISPERSE VAPORS. WEAR SCBA & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL/BE MOVED BY AIR CURRENTS TO DISTANT IGNITION SOURCES & FLASH BACK EXPLOSIVELY. MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD.

==

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

Spill Release Procedures:SMALL: FLUSH W/LARGE AMOUNTS OF WATER. LARGE: SHOULD BE COLLECTED FOR DISPOSAL. EXTINGUISH & DON'T TURN ON ANY IGNITION SOURCE UNTIL AREA IS DETERMINED TO BE FREE FROM FIRE/EXPLOSION HAZARD.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS & FLAME. KEEP CONTAINER CLOSED. USE W/ADEQUATE VENTILATION.

Other Prec

autions:AVOID CONTACT W/EYES. FOR INDUSTRY USE ONLY. USE PROPER BONDING & GROUNDING DURING LIQUID TRANSFER.

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

Respiratory Protection:WEAR SELF CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS.

Ventilation:MECHANICAL/GENERAL SATISFACTORY WHEN PRODUCT IS STORED & HANDLED IN CLOSED EQUIPMENT. LOCAL EXHAUST AT POINT OF ESCAPE.

Protective Gloves:NEOPRENE/POLY-VINLY CHLORIDE COATED

Eye Protection:SAFETY GLASSES/M

ONOGOGGLES

Other Protective Equipment:EYE BATH, SAFETY SHOWER

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOTE TO PHYSICIAN CONT'D: AVOID USE OF DEPRESSANT DRUGS/EXCESSIVE ADMINISTRATION OF FLUIDS. ADMINISTER 5-10% GLUCOSE INTRAVENOUSLY, PLUS THIAMINE 100 MG INTRAMUSCULARLY IN PRESENCE OF HYPOGLYCEMIA. HE MODIALYSIS IS INDICATED IF BLOOD ETHANOL >5 MG/ML. NALOXONE USED TO REVERSE CLINICAL ALCOHOLIC COMA.

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

HCC:F2

Boiling Pt:B.P. Text:176F

Melt/Freeze Pt:M.P/F.P Text: