

PHARMCO PRODUCTS INC -- ISOPROPYL ALCOHOL -- 6810-00-286-5435

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Product Identification
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Product ID:ISOPROPYL ALCOHOL

MSDS Date:02/01/1996

FSC:6810

NIIN:00-286-5435

MSDS Number: CBQHW

=== Responsible Party ===

Company Name:PHARMCO PRODUCTS INC

Address:58 VALE ROAD

City:BROOKFIELD

State:CT

ZIP:06804

Country:US

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

Emergency Phone Num:203-740-3471/80

0-424-9300(CHEMTREC)

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

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Composition/Information on Ingredients
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Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 99- 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9596

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Hazards Identificati

on =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- HARMFUL IF INHALED/INGESTED. MAY
CAUSE CNS DEPRESSION, HEADACHE. MAY CAUSE EYE IRRITATION.
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DEFAT TING, IRRITATION &
DERMATITIS. CHRONIC-UNKNOWN.

Explanation of Carc

inogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, TEARING, DEFATTING OF SKIN, DERMATITIS, CHEST PAIN,
UNCONSCIOUSNESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY
BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:OBTAIN MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYE:IMMEDI
ATELY

FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH
WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.
ORAL :CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE
FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS
CONVULSIONS.

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

Flash Point Method:TCC

Flash Point:=11.C, 51.7F

Autoignition Temp:=398.9C, 750.F

Lower Limits:2.0

Upper Limits:12.0

Extinguishing

Media:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR

DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN
POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH PUMP(EXPLOSION PROOF)/WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:DILUTE WITH WATER

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED

AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF VICTIM IS A CHILD, GIVE NO MORE THAN 1 GLASS OF WATER AND 15CC (1 TABLESPOON) SYRUP OF IPECAC. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED FOLLOWING INTUBATION WITH A CUFFED ENDOTRACHEAL

TUBE.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.3C, -127.F

Vapor Pres:33 @ 68F

Vapor Density:2.1

Spec Gravity:0.79

Evaporation Rate & Reference:2.5 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, MOBILE LIQUID - MILD ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Material

s to Avoid:YES

STRONG OXIDIZING AGENTS, ALUMINUM, STRONG ACIDS, HALOGENS, AMINES,
AMMONIA, ALDEHYDES

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER
SOURCES OF IGNITION

Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON
DIOXIDE.

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

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT
WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT
OR DIS

POSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY,
THROUGHLY RINSE C ONTAINER WITH WATER BEFORE DISPOSAL.

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