

PHARMCO PRODUCTS INC -- ISOPROPYL ALCOHOL,92281 B/92193 F -- 6810-00-286-5435

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Product Identification
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Product ID:ISOPROPYL ALCOHOL,92281 B/92193 F

MSDS Date:02/01/1996

FSC:6810

NIIN:00-286-5435

MSDS Number: BXXXZ

=== 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

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mergency Phone Num:203-740-3471/800-424-9300(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;9495

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,045 MG/KG (RTECS)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
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 IRRITATION, HEADACHE, VOMITING. IN EXTREME CASES,
UNCONSCIOUSNESS, RESPIRATORY DEPRESSION & DEATH M AY OCCUR. EYE &
SKIN IRRIT
ANT. MAY DAMAGE EYE & CAUSE BURNS. MAY DRY SKIN. CHRONIC-
MAY CAUSE CNS DEPRESSION, DERMATITIS
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, COMA, EYE DAMAGE AND BURNS, DRYING SKIN AND DERMATITIS,
STOMACH CRAMPS, DIARRHEA, UNCONSCIOUSNESS, DEATH
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THI
S PRODUCT.

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First Aid Measures
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First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.
SKIN:WASH WITH SOAP & 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.

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Fire Fighting M
easures
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Flash Point Method:TCC
Flash Point:51.8F,11.0C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:2
Upper Limits:12
Extinguishing Media:USE WATER SPRAY, 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. DO NOT USE A
DIRECT STREAM OF WATER.
Unusual Fire/Explosion Hazard:CONTAINERS

MAY RUPTURE DUE TO HEAT OF
FIRE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANCE
FROM HANDLING SITE; FLASH-FIRE CAN RESULT.

===== 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 LO

W 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:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL,
GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC
ELECTRICITY, OR OTHER SOURCES OF IGNITION. ALWAYS GROUND AND BOND

CONTAINER BEFORE TRANSFERRING. EMPTY CONTAINER RETAINS RESIDUE.

===== 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 BE

LOW TLV(S).

Protective Gloves:NATURAL RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES+FACE SHIELD/CHEM GOGGLES

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

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR
USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS
EQUIPMENT

NT OPERATED AT ELEVATED TEMPERATURES MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:180F,82C

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 (100%)

Appearance and Odor:CLEAR, COLORLESS LIQUID - CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ALUMINUM, ALDEHYDES, ETHYLENE OXIDE, ISOCYANATES, ACIDS, ALKALIS, AMINES, HALOGEN CMPDS, ANHYDRIDES

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 Method

s:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY, THOROUGHLY RINSE C ONTAINER WITH WATER BEFORE DISPOSAL.

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