

PHOENIX INDUSTRIES INC -- ISOPROPANOL, ANHYDROUS -- 6810-00-543-7915

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Product Identification  
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Product ID:ISOPROPANOL, ANHYDROUS

MSDS Date:04/17/1998

FSC:6810

NIIN:00-543-7915

Status Code:A

MSDS Number: CJFKH

=== Responsible Party ===

Company Name:PHOENIX INDUSTRIES INC

Address:11028 S LEADBETTER RD UNIT 10

City:ASHLAND

State:VA

ZIP:23005

Country:US

Info Phone Num:804-264-5183

Emergency

Phone Num:804-264-5183

Chemtrec Ind/Phone:(800)424-9300

CAGE:0YED2

=== Contractor Identification ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-99-M-C829

CAGE:0YED2

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

CAS:67-63-0

RTECS #:NT8050000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM/50

0 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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

LD50 LC50 Mixture:TLV: 400 PPM  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, CENTRAL  
NERVOUS SYSTEM (CNS), RESPIRATORY AND GASTROINTESTINAL TRACTS.  
ACUTE - EYE CONTACT WILL CAUSE LOCAL IRRITATION AND BURNING  
SENSATIONS WITH POSSIBLE INJURY IF NOT REMOVED  
PROMPTLY. PROLONGED  
OR REPEATED SKIN CONTACT WITH LIQUID MAY PRODUCE DEFATTING, DRYING  
AND CRACKING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND  
DERMATITIS. CAN BE ABSORBED THROUGH INFANT SKIN. INHALATION OF  
VAPORS ABOVE TLV MAY CAUSE IRRITATION TO THE NOSE, THROAT AND  
RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS  
DEPRESSION. SLIGHTLY TOXIC IF SWALLOWED. MAY CAUSE CNS EFFECTS.  
CHRONIC - NO DATA FOR ADVERSE EFFECT  
Explanation of Carcinogenicity:NO  
NE  
Effects of Overexposure:ABDOMINAL DISCOMFORT, NAUSEA, VOMITING,  
DIARRHEA, LOSS OF CONSCIOUSNESS, DROWSINESS, COUGHING, HEADACHE,  
DROWSINESS, REDNESS  
Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN  
EXISTING DERMATITIS.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO  
FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF  
BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. EYES:  
IMMEDIATELY FLUSH EYES WITH GENTLE RUNNING WATER FOR 15 MINUTES.  
HOLD EYELIDS OPEN. SKIN: WASH WITH PLENTY OF SOAP AND WATER. ORAL:  
GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO  
AN UNCONSCIOUS PERSON.

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

Flash Point Method:TCC  
Flash Point:=-11.7C, 53.F  
Lower Limits:2.0  
Upper Limits:12.7 @ 200 F  
Extinguishing Media:APPLY ALCOHOL-TYPE OR ALL-PURPOSE-TYPE FOAMS USING  
TECHNIQUE

IS RECOMMENDED BY MANUFACTURER FOR LARGE FIRES. FOR SMALL FIRES, USE CO2 OR DRY CHEMICAL AGENTS.

Fire Fighting Procedures:USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO FIRE. WATER SPRAY CAN DISPERSE VAPORS BUT REIGNITION MAY OCCUR. USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING IN FIRE EXPOSURE SITUATIONS .

Unusual Fire/Explosion Hazard:VAPORS FROM THIS PRODUCT MAY BE IGNITED BY SPARKS OR OPEN FLAMES OR ELECTRICAL EQUIPMENT. VAPORS MAY SETTLE IN LOW PLACES

OR TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND THUS CAUSE EXPLOSIVE FLASHBACK. THIS PRODUCT MAY CAUSE A FLOATING FIRE HAZZARD.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. DO NOT WALK THROUGH SPILL; STOP SPILL IF POSSIBLE. USE A VAPOR SUPPRESSING FOAM TO REDUCE VAPORS. CONTAIN AND PICK UP WITH NON -FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE

. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS, CONFINED SPACES.

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA. STORE IN COOL PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP AWAY FROM DIRECT SUNLIGHT, IGNITION SOURCES. CONTAINERS SHOULD BE BOUNDED AND

GROUND FOR TRANSFERS.

Other Precautions:FLAMMABLE! DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF VAPORS OR MISTS. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. READ AND FOLLOW ALL LABEL DIRECTIONS AND PRECAUTIONS. USE WITH ADEQUATE VENTILATION.

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

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

Ventilation:GENERAL (MECHANICAL) ROOM VENTILATION IS EXPECTED TO

O BE

SATISFACTORY WHERE THIS PRODUCT IS HANDLED IN CLOSED EQUIPMENT.

Protective Gloves:PLASTIC, RUBBER, OR NEOPRENE

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY SHOWER, LAB COAT OR UNIFORM.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

NONE

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

HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.5C, -127.3F

Vapor Pres:33 MM/HG

Vapor Density:2.07

Spec Gravity:0.7864

Evaporation Rate & Reference:2.88 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:EXCESSIVE HEAT, SPARKS, FLAMES, OTHER

IGNITION SOURCES

Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. INCINERATION FOR ENERGY RECOVERY, REUSING OR RECYCLING IS RECOMMENDED.

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