

PHOENIX INDUSTRIES, INC -- ISOPROPANOL, ANHYDROUS -- 6810-01-382-2904

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

Product ID:ISOPROPANOL, ANHYDROUS

MSDS Date:12/09/1993

FSC:6810

NIIN:01-382-2904

MSDS Number: BYVYK

=== Responsible Party ===

Company Name:PHOENIX INDUSTRIES, INC

Address:302 SOUTH LEADBETTER ROAD UNIT 10

City:ASHLAND

State:VA

ZIP:23005

Country:US

Info Phone Num:804-264-5183

Emergency Phone Nu

m:804-264-5183/800-424-9300(CHEMTREC)

CAGE:0MLP0

=== Contractor Identification ===

Company Name:PHOENIX INDUSTRIES INC

Address:11711 S ALAMEDA ST

Box:54083

City:LOS ANGELES

State:CA

ZIP:90054

Country:US

Phone:213-564-5711

CAGE:0MLP0

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

CAGE:0YED2

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

Ingred Name:ISOPROPYL ALCOHOL (SAR

A 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 100% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9495

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGESTION OF LARGE QUANTITIES MAY
CAUSE DROWSINESS,LOSS OF CONSCIOUSNESS, NAUSEA, VOMITIN
G, STOMACH
PAINS, CRAMPS. MAY BE ABSORBED IN HARMFUL AMOUNTS THROUGH THE SKIN.
INHALATION MAY CAUSE NOSE AND TH ROAT IRRITATION, HEADACHE,
DROWSINESS. PROLONGED SKIN CONTACT MAY CAUSE DRYNESS AND CRACKING.
EYE CONTACT IRRITATES.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:DROWSINESS, LOSS OF CONSCIOUSNESS, NAUSEA,
VOMITING, STOMACH PAINS,
CRAMPS, NOSE IRRITATION, THROAT
IRRITATION, HEADACHE, SKIN DRYNESS/CRACKING, EYE IRRITATION,
POTENTIAL CORNEAL INJURY.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: RE
MOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:53.0F,11.7C
Lower Limits:2.00 %
Upper Limits:12.7 %
Extinguishing Media:ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND
CONTAINERS EXPOSED TO FIRE WI

TH WATER.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. THIS PRODUCT MAY CAUSE A FLOATING FIRE HAZARD.

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

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

Neutralizing Agent
:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:FOR INDUSTRIAL USE ONLY. CAUSES EYE IRRITATION. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION

EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AI R-PURIFYING RESPIRATOR.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves:PLASTIC, NEOPRENE, RUBBER

Eye Protection:CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERG
ENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health
REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

HCC:F2

Boiling Pt:=82.C, 179.6F

Melt/Freeze Pt:=-89.C, -128.2F

Vapor Pres:33

Vapor Density:2.07

Spec Gravity:0.7864

Evaporation Rate & Reference:2.88 (N-BUTYL ACE

TATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING S

URROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this

docu

ment should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.