View NSN Online: https://aerobasegroup.com/nsn/6810-00-227-0410

Product ID: ISOPROPYL ALCOHOL

MSDS Date:04/17/2000

FSC:6810

NIIN:00-227-0410

Status Code:A

MSDS Number: CKWFF === Responsible Party ===

Company Name: PHOENIX INDUSTRIES INC Address: 1519 CHAMBERLAYNE PARKWAY

City:RICHMOND

State:VA ZIP:23222 Country:US

Info Phone Num:804-264-5183 Emergency Phone Num:804

-264-5183

Preparer's Name: NOT PROVIDED 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:SPO450-01-M-D369

CAGE:0YED2

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

Ingred Name: ISOPROPYL ALCOHOL

CAS:67-63-0

RTECS #:NT8050000 Minumum % Wt:90. Maxumum % Wt:100.

OSHA PEL:980 MG/M3;400 PP

M

ACGIH TLV:983 MG/M3;400 PPM ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Minumum % Wt:0.

Maxumum % Wt:10.

Other REC Limits:NOT PROVIDED

Code:F

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 5045 MG/KG

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

Health Hazards Acute and Chronic:INHALATION: VAPORS IRRITATES
RESPIRATORY TRACT. HIGH CONCENTRATIONS HAS A NARCOTIC EFFECT,
PRODUCING

DIZZINESS, DROWSINESS, HEADACHE, STAGGERING,

UNCONSCIOUSNESS, POSSIBLY DEATH. INGESTION: CAN CAUSE DROWSINESS, UNCONSCIOUSNESS, DEATH. GASTROINTESTINAL PAIN, CRAMPS, NAUSEA, VOMITING, DIARRHEA MAY ALSO RESULT. LETHAL DOSE FOR A HUMAN ADULT ABOUT 8 OUNCES. SKIN CONTACT: MAY CAUSE IRRITATION WITH RED NESS AND PAIN. MAY BE ABSORBED THROUGH THE SKIN WITH POSSIBLE SYSTEMIC EFFECTS. EYE CONTACT: VAPORS CAUSE EYE IRRITATION. SPLASHES CAUSE SEVERE IRRITATION, POSSIBLE CORNEA

L BURNS AND EYE DAMAGE. CHRON IC EXPOSURE: MAY CAUSE SKIN EFFECTS.

**Explanation of Carcinogenicity:NONE** 

Effects of Overexposure:INHÁLATION: VAPORS IRRITATES RESPIRATORY TRACT.
HIGH CONCENTRATIONS HAS A NARCOTIC EFFECT, PRODUCING DIZZINESS,
DROWSINESS, HEADACHE, STAGGERING, UNCONSCIOUSNESS, POSSIBLY
DEATH. INGESTION: CAN CA USE DROWSINESS, UNCONSCIOUSNESS, DEATH.
GASTROINTESTINAL PAIN, CRAMPS, NAUSEA, VOMITING, DIARRHEA MAY
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LT ABOUT 8 OUNCES. SKIN

CONTACT: MAY CAUSE IRRITATIO N WITH REDNESS AND PAIN. EYE CONTACT: VAPORS CAUSE EYE IRRITATION. SPLASHES CAUSE SEVERE IRRITATION, POSSIBLE CORNEAL BURNS AND EYE DAMAGE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR IMPAIRED LIVER, KIDNEY OR PULMONARY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS AGENT.

First Aid: INHALATION: REMOVE

TO FRESH AIR.	IF NOT	BREATHING	GIV/F
	11 1101		

ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: GIVE LARGE AMOUNT OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IF IRRITATION DEVELOPS. EY E CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING EY ELIDS

OCCASIONALLY, GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:CC Flash Point:=12.2C, 54.F FOR ISOPROPANOL Autoignition Temp:=398.9C, 750.F

Lower Limits:2.0 Upper Limits:12.7

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM, CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL, DILUTE SPILLS TO NONFLAMMABLE MIXTURES, AND DISPERSE VAPORS.

Fire Fighting Procedures: IN T

HE EVENT OF A FIRE, WEAR FULL PROTECTIVE

CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. WATER MAY BE USED TO PROTECT PERSONNEL ATTEMPTING TO STOP LEAK.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT,VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS NOTED ABOVE. VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES AND FLASH BACK. SENSITIVE TO STATIC DI

SCHARGE.

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

Spill Release Procedures: VENTILATE AREA OF SPILL. REMOVE ALL SOURCES OF IGNITION. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ISOLATE HAZARD AREA. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. USE NON-SPARKING TOOLS. COLLECT LIQUID IN AN APPROPRAITE CONTAINER OR ABSORB WITH AN INERT MATERIAL (E.G., VERMICULITE, DRY SAND), AND PLACE IN A CHEMICAL WASTE CONTAINER. DO NOT USE COMBUSTIBLE MATERIA

## LS. DO NOT FLUSH TO SEWERS. Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM FIRE HAZARD AREA. OUTSIDE OR DETACHED STORAGE IS PREFERRED. SEPARATE FROM INCOMPATIBLES. CONTAINERS SHOULD BE BONDED AND GROUNDED FOR TRAN SFERS TO AVOID STATIC SPARKS. STORAGE AND USE AREA SHOULD BE NO SMOKING AREAS.

Other Precautions:PROTECT AGAINST PHYSIC

AL DAMAGE. USE NON-SPARKING

TYPE TOOLS AND EQUIPMENT, INCLUDING EXPLOSION PROOF VENTILATION. CONTAINERS OF THIS MATERIAL MAY BE HZARDOUS WHEN EMPTY SINCE THEY RETAIN PRODUCT RESIDUES (VAPORS, LIQUID); OBSERVE ALL WARNINGS AND PRECAUTIONS LISTED FOR THE PRODUCT.

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

Respiratory Protection:IF TLV IS EXCEEDED, A FULL FACEPIECE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE MAY BE WORN UP TO 50 TIMES EXPOSURE

LIMIT/MAXIMUM USE CONCENTRATION SPECIFIED BY APPROPRIATE REGULATORY AGENCY/RESPIRATOR S UPPLIER, WHICHEVER IS LOWEST. FOR EMERGENCIES/INSTANCES WHERE EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACEPIECE POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR.

Ventilation: A SYSTEM OF LOCAL OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST IS GENERALLY PREFERRED.

Protective Gloves: NEOPRENE OR NITRILE

Eye Protection: USE CHEMICAL SAFE

TY GOGGLES AND/OR FULL FACE SHIELD

WHERE SPLASHING IS POSSIBLE

Other Protective Equipment: MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA. WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, LAB COAT, APRON OR COVERALLS, AS APPROPRIATE, TO PREVENT SKIN CONTACT.

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health

WARNING: AIR PURIFYING RESPIRATORS DO NOT PROTECT WORKER IN OXYGEN-DEFICIENT ATMOSPHERES. ABBREVIATION: N/A=NOT APPLICAB

NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DE TERMINED. N/E=NOT ESTABLISHED. ======== Physical/Chemical Properties =========== HCC:F2 NRC/State Lic Num: NOT RELEVANT Boiling Pt:=82.2C, 180.F Melt/Freeze Pt:=-89.C, -128.2F Decomp Temp:Decomp Text:NOT PROVIDED Vapor Pres:44@25C Vapor Density:2.1 Spec Gravity:0.79@20C Viscosity:NOT PROVIDED Evaporation Rate & Reference: 2.83 (BUAC=1) Solubility in Water:MISCIBLE Appearance and Odor:CL EAR COLORLESS LIQUID, RUBBING ALCOHOL ODOR. Percent Volatiles by Volume:100@21C Corrosion Rate: NOT PROVIDED ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES STRONG OXIDIZERS, ACETALDEHYDE, ACIDS, CHLORINE, ETHYLENE OXIDE, HYDROGEN-PALLADIUM COMBINATION, HYDROGEN PEROXIDE-SULFURIC ACID, POTASSIUM TERT-BUTOXIDE, HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM, PHOSGENE, ALUMINUM, OLEUM Stability Condition to Avoid: HEAT, FLAME AN **D SUNLIGHT** Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE MAY BE FORM WHEN HEATED TO DECOMPOSITION. ======== Toxicological Information =========== Toxicological Information:ORAL RAT LD50: 5045 MG/KG; SKIN RABBIT LD50: 12.8 GM/KG; INHALATION RAT LC50: 16,000 PPM/8-HOUR; ========= Ecological Information ===============

Ecological: WHEN RELEASED INTO SOIL, THIS MATERIAL IS EXPECTED TO

QUICKLY EVAPORATE; LEACH INTO GROUNDW

LE OR

ATER; BIODEGRADE TO A  MODERATE EXTENT. WHEN RELEASED INTO WATER, THIS MATERIAL IS EXPECTED TO QUICKLY E VAPORATE; TO HAVE A HALF-LIFE 1 AND 10 DAYS; MAY BIODEGRADE TO A MODERATE EXTENT. THIS MATERIAL IS NOT EXPECTED TO SIGNIFICANTLY BIOACCUMULATE. WHEN RELEASED INTO AIR, IT IS EXPECTED TO BE READILY DEGRADED BY REACTION WITH PHOTOCHEMICALLY PRODUCED HYDROXY RADICALS; REMOVED FROM ATMOSPHERE BY WET DEPOSITION. THE LC50/96-HOUR VALUES FOR FISH ARE OVER 100
MG/L.
======= Disposal Considerations ==========
Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE HANDLED AS HAZARDOUS WASTE AND SENT TO A RCRA APPROVED INCINERATOR OR DISPOSED IN A RCRA APPROVED WASTE FACILITY. PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FE
========= MSDS Transport Information
Transport Information:DOMESTIC (LAND, D.O.T.) PROPER SHIPPING NAME: ISOPROPANOL. HAZARD CLASS: 3. UN NO.: UN1219. PACKING GROUP: I I. AIR (ICAO): PROPER SHIPPING NAME: ISOPROPANOL. HAZARD CLASS: 3. UN NO.: UN1219. PACK ING GROUP: I I.
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SARA Title III Information:SARA 302: ISOPROPYL ALCOHOL, CAS#67-63-0: RQ= NO; TPQ= NO. WATER, CAS#7732-18-5: RQ= NO; TPQ= NO. SARA 313: ISOPROPYL
ALCOHOL CAS# 67-63-0: LIST= YES; CHEMICAL CATAGORY.= NO. WATER, CAS# 7732-18-5; LIST= NO; CHEMICAL CATG.=NO. Federal Regulatory Information:ISOPROPANOL ALCOHOL AND WATER ARE NOT LISTED UNDER RCRA OR TSCA.
State Regulatory Information:NOT PROVIDED

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