

PHOENIX INDUSTRIES INC -- METHYL ALCOHOL -- 6810-00-275-6010

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

Product ID:METHYL ALCOHOL

MSDS Date:04/27/2000

FSC:6810

NIIN:00-275-6010

Status Code:A

MSDS Number: CLBPT

=== 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:804-264-5

183

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:SP0450-01-M-D992

CAGE:0YED2

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:SP0450-01-M-ZC26

CAGE:0YED2

===== Composition/Inform

ation on Ingredients =====

Ingred Name:METHYL ALCOHOL; EINECS#: 200-659-6.
CAS:67-56-1
RTECS #:PC1400000
Minumum % Wt:99.
Maxumum % Wt:100.
Other REC Limits:200 PPM-NIOSH
OSHA PEL:200 PPM
ACGIH TLV:262 MG/M3;200 PPM
ACGIH STEL:328 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:RAT LD50: 5628 MG/KG
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: KIDNEYS, CENTRAL
NERVOUS SYSTEM, LIVER, CARDIOVASCULAR SYSTEM, EYES. EYES-CAUSES
MODERATE EYE IRRITATION. SKIN-MAY CAUSE IRRITATION. MAY BE
ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNT S. INGESTION-MAY CAUSE
IRRITATION OF THE DIGESTIVE TRACT. MAY CAUSE KIDNEY FAILURE.
INHALATION-MAY CAUSE RESPIRATORY TRACT IRRITATION, LIVER AND KIDNEY
DAMAGE, ADVERSE CENTRAL NERVOUS SYSTEM EFFECTS. CHRONIC: PROLONGED
OR REPEAT
ED SKIN CONTACT MAY CAUSE DERMATITIS. CHRONIC INHALATION &
INGESTION MAY CAUSE EFFECTS SIMILAR TO THOSE OF ACUTE INHALATION &
INGESTION.
Explanation of Carcinogenicity:CARCINOGENICITY: METHYL ALCOHOL, 99%.
NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.
Effects of Overexposure:EYES: MAY CAUSE PAINFUL SENSITIZATION TO LIGHT.
INGESTION: MAY CAUSE RESPIRATORY FAILURE, VASCULAR COLLAPSE AND
RESPIRATORY FAILURE. INHALATION: MAY CAUSE HEADACHE, CONVULSIONS,
POSSIBLE DEATH. MA
Y C AUSE VISUAL IMPAIRMENT AND POSSIBLE
PERMANENT BLINDNESS.

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

First Aid:EYE-FLUSH WITH PLENTY OF WATER FOR 15 MINS, LIFTING UPPER &
LOWER LIDS. GET MEDICAL AID IMMEDIATELY. DO NOT RUB OR KEEP EYES
CLOSED. SKIN-FLUSH WITH PLENTY OF SOAP & WATER FOR 15 MINS WHILE
REMOVING S OILED CLOTHES & SHOES. GET MEDICAL AID IF IRRITATION
DEVELOPS OR PERSISTS. INGESTION-IF VICTIM IS CONSCIOUS & ALERT,
GIVE 2-4 CUPFULS

OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY.
INDUCE VOMITING BY GIVING ONE TEASPOON OF SYRUP OF IPECAC.
INHALATION-GET MEDICAL AID IMMEDIATELY. REMOVE FROM EXPOSURE. IF
NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS
DIFFICULT, GIVE OXYGEN. "SEE SUPPLEMENTAL"

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

Flash Point:=-12.C, 53.6F

Autoignition Temp:=-455.C, 851.F

Lower Limits:6%

Upper Limits:36%

Extinguishing Media:SMALL FIRE: DRY CHEMICAL, CARBON DIOXIDE, WATER

SPRAY OR ALCOHOL-RESISTANT FOAM. USE WATER SPRAY TO COOL
FIRE-EXPOSED CONTAINERS. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING
APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT,
FULL PROTECTIVE GEAR. DURING A FIRE, IRRITATING AND HIGHLY TOXIC
GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.
FLAMMABLE LIQUID!

Unusual Fire/Explosion Hazard:CONTAINERS CAN BUILD UP PRESSURE IF

EXPOSED TO HEAT &/OR FIRE. VAPORS CAN TRAVEL TO A SOURCE OF
IGNITION AND FLASH BACK. CAN RELEASE VAPORS THAT FORM EXPLOSIVE
MIXTURES AT TEMPERATURES ABOVE THE FLASH POINT. CONTAINERS CAN
BUILD-UP PRESSURE IF EXPOSED TO HEAT AND/OR FIRE.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS
INDICATED IN CONTROL MEASURES SECTION. SCOOP UP WITH NON-SPARKING
TOOLS, THEN PLACE INTO SUITABLE CONTAINER FOR DISPOSAL. USE WATER

SPRAY TO DISPERSE THE GAS/VAPOR. REMOVE ALL SOURCES OF IGNITION.

ABSORB SPILL USING AN ABSORBENT NON-COMBUSTIBLE MATERIAL SUCH AS
EARTH, SAND, VERMICULITE.

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

Handling and Storage Precautions:HANDLING: WASH THOROUGHLY AFTER
HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE
WITH ADEQUATE VENTILATION. EMPTY CONTAINERS RETAIN PRODUCT
RESIDUE, AND CAN BE D

ANGEROUS.

Other Precautions:HANDLING: DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, SPARKS OR OPEN FLAMES. DO NOT GET ON SKIN OR IN EYES. DO NOT INGEST OR INHALE. STORAGE: KEEP AWAY FROM SOURCES OF IGNITION. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR

1910.134. ALWAYS USE A NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

* NOTE TO PHYSICIAN: SYMPTOMS MAY BE DELAYED. METABOLISM OF METHANOL CAN BE PREVENTED BY THE ADMINISTRATION OF ETHANOL BY QUALIFIED MEDICAL PERSONNEL. NO SPECIFIC ANTEDOTE EXISTS. **SYNONYMS: CARBINOL, METHANOL, METHYL HYDROXIDE, MONOHYDROXYMETHANE, PYROXYLIC SPIRIT, WOOD ALCOHOL, WOOD NAPHTHA, WOOD SPIRIT.

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

HCC:F5

Boiling Pt:=64.8C, 148.6F

Melt/Freeze Pt:=-98.

C, -144.4F

Vapor Pres:29MMHG

Vapor Density:1.1

Spec Gravity:0.7910G/CM3

pH:NEUTRAL

Viscosity:0.006P@68F

Evaporation Rate & Reference:5.2 ETHER=1

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR COLORLESS LIQUID; SLIGHT ALCOHOL LIKE ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDANTS, ACTIVE METALS, ACETYL BROMIDE, ALKYL ALUMINUM SALTS, BERYLLIUM DIHYDRIDE, CARBON TETRACHLORIDE+METALS, CHLOROFORM+HEAT, CH

LOROFORM+SODIUM HYDROXIDE, CYANURIC CHLORIDE, DIETHYL ZINC,
NITRIC ACID & POTASSIUM TERTBUT

Stability Condition to Avoid:HIGH TEMPERATURES, INCOMPATIBLE MATERIALS,
IGNITION SOURCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
FORMALDEHYDE.

===== Toxicological Information =====

Toxicological Information:CAS#67-56-1: INHALATION, RAT: LC5-64000
PPM/4H: ORAL, MOUSE: LD50=7300 MG/KG; ORAL, RABBIT: LD50=1400
MG/KG; ORAL, RAT: LD5
0=5628 MG/KG; SKIN, RABBIT: LD50=15800 MG/KG.

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

Waste Disposal Methods:DISOSE OF IN A MANNER CONSISTENT WITH FEDERAL,
STATE & LOCAL REGS. RCRA D-SERIES MAXIMUM CONCENTRATION OF
CONTAMINANT: NOT LISTED. RCRA D-SERIES CHRONIC TOXICITY REFERENCE
LEVEL: NOT LISTED. RCRA F-S ERIES: NOT LISTED. RCRA P-SERIES: NOT
LISTED. RCRA U-SERIES: WASTE # U154 (IGNITABLE). THIS MATERIA L IS
BANNED FROM LAND DISPOSAL ACCORDIN
G TO RCRA.

===== MSDS Transport Information =====

Transport Information:US DOT SHIPPING NAME: METHANOL. HAZARD CLASS: 3.
UN NUMBER: UN1230. PACKING GROUP: II. ICAO SHIPPING NAME: METHANOL.
HAZARD CLASS: 3 (6.1). UN NUMBER: UN1230. PACKING GROUP: II.

===== Other Information =====

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