

HOC INDUSTRIES, INC. -- O-M-232K -- 6810-00-292-9676

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Product Identification  
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Product ID:O-M-232K  
MSDS Date:06/29/2000  
FSC:6810  
NIIN:00-292-9676  
Status Code:A  
MSDS Number: CLCYY  
=== Responsible Party ===  
Company Name:HOC INDUSTRIES, INC.  
Address:3511 N. OHIO  
City:WICHITA  
State:KS  
ZIP:67219  
Country:US  
Info Phone Num:316-838-4663  
Emergency Phone Num:1-800-633-8253 (PERS)  
Preparer's Name:D  
ON POSCHEN  
CAGE:UO462  
=== Contractor Identification ===  
Company Name:HOC INDUSTRIES, INC  
Address:3511 N. OHIO  
Box:2609  
City:WICHITA  
State:KS  
ZIP:67219  
Country:US  
Phone:316-838-4663  
Contract Num:SP0450-01-M-ZB97  
CAGE:0A9L8  
Company Name:HOC INDUSTRIES, INC.  
Address:3511 N. OHIO  
Box:City:WICHITA  
State:KS  
ZIP:67219  
Country:US  
Phone:316-838-4663  
CAGE:UO462

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Composition/Information on Ingredients  
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Ingred Name:METHANOL  
CAS:67-56-1  
RTECS #:PC1400000  
= Wt:99.9  
Other REC Limi

ts:NOT PROVIDED  
OSHA PEL:260 MG/M3;200 PPM  
ACGIH TLV:262 MG/M3;200 PPM  
ACGIH STEL:328 MG/M3;250 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYE: BELIEVED TO CAUSE MILD EYE  
IRRITATION UPON SHORT-TERM EXPOSURE. UPON DIRECT CONTACT WITH THE

LIQUID, CONJUNCTIVITIS AND CORNEAL BURNS MAY OCCUR. METHANOL'S MAIN  
TOXIC EFFECT IS EXERTED UPON THE NERVOUS SYSTEM, PARTICULARLY THE  
OPTIC NERVES AND POSSIBLY THE RETINA. THE CONDITION CAN PROGRESS TO  
PERMANENT BLINDNESS. SKIN: UPON PROLONGED REPEATED EXPOSURE,  
ABSORPTION THROUGH THE SKIN MAY OCCUR AND PRODUCT EXIC EFFECTS  
SIMILAR TO THOSE RESULTING FROM INHALATION EXPOSURE. INHALATION:  
MAY CAUSE DIZZINESS, HEADACHE, DROWSINESS, NAUSEA, UNCONSCIOUSNESS.  
CHRONIC: S

KIN CONTACT MAY CAUSE A PERSISTENT IRRITATION OR  
DERMATITIS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT CURRENTLY LISTED AS  
A CARCINOGEN BY NTP, OSHA, OR IARC.

Effects of Overexposure:HEADACHE, DIZZINESS, DROWSINESS, NAUSEA,  
UNCONSCIOUSNESS AND COMA.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. GET  
MEDICAL ATTENTION. SKIN: WASH EX

POSED AREA WITH SOAP AND WATER.

REMOVE AND CLEAN CONTAMINATED CLOTHING. IF IRRITATION DEVELOPS SEEK  
MEDICAL ATTENTION. INGESTION: CALL A DOCTOR IMMEDIATELY. IF PERSON  
IS CONSCIOUS, IMMEDIATELY GIVE 2 GLASSES OF WATER AND INDUCE  
VOMITING. DO NOT MAKE AN UNCONSCIOUS PERSON VOMIT. NEVER GIVE  
ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.  
INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE  
MOUTH-TO-MOUTH ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.

IF BREATHING IS DIFFICULT, QUALIFIED PERSONNEL MAY ADMINISTER OXYGEN.

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

Flash Point Method:TCC

Flash Point:=11.1C, 52.F

Autoignition Temp:=385.C, 725.F

Lower Limits:6.0

Upper Limits:36.5

Extinguishing Media:USE DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE ON THE FLAMES, BUT WATER SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER

SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR THE PERSONS ATTEMPTING TO STOP THE LEAK.

Unusual Fire/Explosion Hazard:FLAMMABLE! KEEP CONTAINERS TIGHTLY CLOSED. EXPLOSIVE AIR-VAPOR MIXTURES MAY OCCUR. VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO SOURCES OF IGNITION AND THEN FLASH BACK.

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

Spill Release Procedures:(TRANSPORTATION SPILLS CALL PERS AT 1-800-633-8253)

. ELIMINATE ALL IGNITION SOURCES INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. VENTILATE AREA. AVOID BREATHING VAPOR. USE SUPPLIED-AIR MASK FOR LARGE SPILLS OR IN CONFINED AREAS. CONTAIN SPILL. REMOVE WITH INERT ABSORBENT. AVOID CONTACT WITH EYES. AVOID ALLOWING PRODUCT FROM ENTERING STREAMS OR SEWERS. REPORTABLE QUANTITY: 5,000 LBS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions

:KEEP CONTAINER CLOSED. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT MIX WITH OXIDIZERS, NITRIC ACID AND HYDROGEN PEROXIDE.

Other Precautions:DANGER! FLAMMABLE! POISON! CAUSES IRRITATION TO THE EYES. MAY CAUSE IRRITATION TO SKIN. AVOID CONTACT WITH EYES AND PROLONGED CONTACT WITH SKIN. USE ONLY IN WELL VENTILATED AREAS. AVOID PROLONGED BREATHING OF VAPOR OR MIST. KEEP HEAD AWAY FROM CONTAINER WHEN OPENING OR DISPENSING. WASH THOROUGHLY AFTER HANDLING.

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= Exposure Controls/Personal Protection =====

Respiratory Protection:IF VAPOR, MIST OR DUST IS GENERATED IN EXCESS OF PERMISSIBLE CONCENTRATIONS, USE RESPIRATOR APPROVED BY MSHA OR NIOSH.

Ventilation:LOCAL EXHAUST VENTILATION RECOMMENDED.

Protective Gloves:GLOVES RESISTANT TO CHEMICALS AND PETROLEUM DISTILLATES REQUIRED.

Eye Protection:DO NOT WEAR CONTACT LENSES. CHEMICAL TYPE GOGGLES SHOULD BE WORN.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORMS,

COVERALLS OR LAB COATS. LAUNDRY OR DRY CLEAN WHEN SOILED. BOOTS RESISTANT TO CHEMICALS AND PETROLEUM DISTILLATES REQUIRED.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

WARNING STATEMENT: POISON! DANGER! FLAMMABLE!. CAUSES IRRITATION TO EYES AND SKIN. USE ADEQUATE VENTILATION. MAY BE FATAL OR CAUSE BLINDNESS IF TAKEN INTERNALLY - CANNOT BE MADE NONPOISONOUS.

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

HCC:F5

NRC/State Lic Num:NOT RELEV

ANT

Boiling Pt:=64.4C, 148.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED BY MFR

Decomp Temp:Decomp Text:NOT PROVIDED BY MFR

Vapor Pres:96 MMHG @ 68 DEG F (20C)

Vapor Density:1.11(AIR=1

Spec Gravity:0.796 @ 60 DEG F (15.6 C)

Viscosity:NO INFORMATION FOUND

Evaporation Rate & Reference:NO INFORMATION FOUND

Solubility in Water:INFINITE

Appearance and Odor:COLORLESS, CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

THIS MATERIAL REACTS VIOLENTLY WITH : HEAT, STRONG OXIDIZERS, STRONG ACIDS

Stability Condition to Avoid:HEAT

Hazardous Decomposition Products:PRODUCTS EVOLVED WHEN SUBJECT TO HEAT OR COMBUSTION: CARBON MONOXIDE AND CARBON DIOXIDE MAY BE FORMED ON BURNING.

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

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

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Ecological:NOT PROVIDED

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

Waste Disposal Methods:INCINERATE OR PLACE IN RCRA PERMITTED WASTE MANAGEMENT FACILITY. REMARKS: NO WASTE CLASSIFICATION OF PRODUCT HAS BEEN ESTABLISHED. RECYCLE OR INCINERATE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

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

Transport Information:TRANSPORT, HANDLE, AND STORE IN ACCORDANCE WITH OSHA REGULATIONS AND APPLICABLE DOT REGULATIONS. GROUND AND ELECTRICALLY INTERCONNECT CONTAINERS FOR TRANSFER. USE SPARK-PROOF TOOLS. DOT PROPER SHIPPING NAME: METHANOL, UN 1230, PG II. DOT HAZARD CLASS (IF APPLICABLE): FLAMMABLE LIQUID. LABEL NEEDED: FLAMMABLE LIQUID. DOT SPECIFICATION CONTAINER: IP2. DOT EXEMPTION NUMBER: NOT APPLICABLE. LIMITED QUANTITY: NOT APPLICABLE. THIS METHANOL CANNOT BE SENT THROUGH THE U.S. MAIL.

===== Regulatory Information =====

SARA Title III Information:TITLE III SECTION 311 HAZARD CATEGORIZATION: ACUTE: X. CHRONIC: X. FIRE: X. PRESSURE: REACTIVE: NOT APPLICABLE. TITLE III SECTION 313 TOXIC CHEMICALS: METHANOL (67-56-1) 99.9%.

Federal Regulatory Information:THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

State Regulatory Information:NOT PROVIDED

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

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formation to their  
particular situation.