View NSN Online: https://aerobasegroup.co.il/nsn/6810-00-798-9821

Product ID:SULFURIC ACID STANDARD SOLUTION 0.030 N, CAT #413

MSDS Date:04/17/1995

FSC:6810

NIIN:00-798-9821

Status Code:A

MSDS Number: CKBQW === Responsible Party ===

Company Name: HACH COMPANY

Box:389

City:LOVELAND

State:CO ZIP:80539 Country:US

Info Phone Num:970-669-3050

Eme

rgency Phone Num:303-623-5716

Resp. Party Other MSDS Num.:M00585

CAGE:91224

=== Contractor Identification ===

Company Name: HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO ZIP:80539 Country:US

Phone:970-669-3050/ 303-623-5716 Contract Num:SP0450-00-M-D450

CAGE:91224

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

Ingred Name: METHYL ALCOHOL

CAS:67-56-1

RTECS #:PC1400000 Minumum % Wt:15. Maxumum % Wt:25.

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

Ingred Name: SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

< Wt:.1

OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3 ACGIH STEL:3 MG/M3 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:WATER CAS:7732-18-5 RTECS #:ZC0110000 Minumum % Wt:75. Maxumum % Wt:85.

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

LD50 LC50 Mixture: NONE REPORTED.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcin

ogenicity:NTP:NO IARC:NO OSHA:NO

CARDIOVASCULAR SYSTEM.

Health Hazards Acute and Chronic:METHANOL IS A CUMULATIVE POISON.

METHANOL MAY CAUSE VISUAL IMPAIRMENT AND POSSIBLY BLINDNESS BY
REPEATED OR PROLONGED EXPOSURE. MAY BE FATAL OR CAUSE BLINDNESS IF
SWALLOWED. CAN NOT BE MADE NONPOISION OUS. VAPOR HARMFUL. HARMFUL
IF ABSORBED THROUGH SKIN. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT
IRRITATION. TARGET ORGANS: OPTIC NERVE, CENTRAL NERVOUS SYSTEM,

**Explanation of Carcin** 

ogenicity: CONTAINS AN EXPERIMENTAL TERATOGEN.

Effects of Overexposure:EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. SKIN: HARMFUL IF ABSORBED THROUGH THE SKIN. INGESTION: TOXIC CANNOT BE MADE NON-TOXIC. METHANOL MAY CAUSE IRRITATIONOF EYES, VISUAL IMPAIRMENT OR BLINDNESS. CAUSES CARDIVASCULAR EFFECTS SUCH AS CARDIAC DESPRSSION AND BLOOD PRESSURE CHANGES.CAUSES CENTRAL NERVOUS SYSTEM DEPRESSION, SYMPTOM MAY INCLUED: DRUNKENNESS, DROWSINESS, DIZZINESS, LIGHTH EADED

NESS, UNCONSCIOUSNESS AND COMA. MAY CAUSE HEADACHE WEAKNESS NAUSEA VOMITING DEATH.INHALATION: METHANOL MAY CAUSE HEADACHE, WEAKNESS, NAUSEA, VOMITING. Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS AND EYE CONDITIONS.
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First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT: WASH SKIN WITH PLENTY OF WATER FOR 15 MINUTES. CALL PHYSICIAN IF I RRITATION DEVELOPS.
INGESTION: CALL PHYSI CIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTIONS OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESS ARY. CALL PHYSICIAN.
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Flash Point Method:CC Flash Point:=54.4C, 130.F Autoignition Temp:Autoignition Temp Text:ND Lower Limits:ND Upper Limits:ND Extinguishing Media:WATER , CARBON DIOXIDE AND DRY CHEMICAL. Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR. Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID. DO NOT EXPOSE TO FLAMES. DO NOT EXPOSE TO SPARKS OR OTHER IGNITION SOURCES. MAY REACT VIOLENTLY WITH: STRONG OXIDIZERS.
Spill Release Procedures:RELEASES OF THIS MATERIAL MAY CONTAMINATE THE ENVIRNMENT. REMOV  E ALL COMBUSTIBLE MATERIAL FROM SPILL AREA. REMOVE  ALL IGNITION AND SPARK-CREATING SOURCES FROM THE SPILL AREA. COVER SPILLED LIQUID WITH A COMMERCIALLY AVAILABLE FLAMMABLE LIQUID SORBENT SUCH AS VAPOR BARRIER BLANKET OR ACTIVATED CAARBON TO ABOID EVOLUTION OF FUMES. VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.  Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.
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Handling and Storage Prec

autions: AVOID CONTACT WITH EYES, SKIN AND

CLOTHING. DO NOT BREATHE MIST OR VAPORS. WASH THOROUGHLY AFTER AHDNLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT.. STORAGE: KEEP AWAY FR OM SPARKS, FLAMES AND OTHE IGNITION SOURCES. PROTECT FROM HEAT.

Other Precautions:SPILL OR RELEASE: MAY BE IGNITED BY: HEAT SPARKS, OR FLAMES. MATERIAL WILL FLOAT ON WATER CREATING A FIRE HAZARD. DIKE THE MATERIAL TO CREATE A BARRIER TO COMBUSTIBLES. MATERIAL CONTAIN

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A COMPONENT W HICH IS REGULATED AS A HAZARDOUS AIR POLLUTANT. PRODUCT IS REGU-LATED AS RCRA HAZARDOUS WASTE.

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

Respiratory Protection:LABORATORY FUME HOOD.

Ventilation: GENERAL VENTILATION

Protective Gloves: DISPOSABLE LATEX GLOVES.

Eye Protection: SAFETY GLASSES WITH TIP AND SIDE SHIELDS.

Other Protective Equipment: LAB COAT

Work Hygienic Practices: MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT.

WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

AVOID CONTACT WITH: EYES, SKIN AND CLOTHING. SO NOT BREATHE: MIST/VAPOR. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM: SPARKS, FLAMES AND OTHER IGNITION SOURCES. PROTECT FROM HEAT.

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

HCC:F4

Boiling Pt:=82.C, 179.6F

Melt/Freeze Pt:M.P/F.P Text:ND

Vapor Pres:ND Vapor Density:ND Spec Gravity:0.963

pH:1.7

Evaporation Rate & Reference: 1.35(WATER=1)

Solubi

lity in Water:SOLUBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID, ALCOHOLIC ODOR.

Percent Volatiles by Volume:ND Corrosion Rate:0.0173 IN/YR STEEL

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

Stability Indicator/Materials to Avoid:YES

NONE REPORTED

Stability Condition to Avoid:STABLE WHEN STORED UNDER PROPER CONDITIONS. AVOID CONTACT WITH HEAT, SPARKS, OPEN FLAMES OR OTHER IGNITION SOURCES.

Hazardous Decomposition Products:TOXIC FUMES OF CARBON MONOXIDE. Conditi

ons to Avoid Polymerization:WILL NOT OCCUR.
========= Toxicological Information ==========
Toxicological Information:PRODUCT TOXICOLOGICAL DATA: LD50: NONE REPORTED. LC50: NONE REPORTED. DERMAL TOXICITY: METHANOL: SKIN MONKEY LDLO=393 MG/KG; SKIN RABBIT LD50=15800 MG/KG. SKIN & EYE IRRITATION DATA: NONE REPORTED. MU TATION DATA: METHANOL: DNA INHIBITION-HUMAN-LYMPHOCYTES-300 MMOL/L; DNA DAMAGE-ORAL RAT-10UG/KG. REPRODUCTIVE EFFECTS DATA: METHANOL:INHALAT ION MOUSE  1500 PPM/6H SPECIFIC DEVELOPMENT ABNORMALITIES-CEN TRAL NERVOUS SYSTEM. INHALATION RAT 10000 PPM/7HR EMBRYO OR FETUS-FETOTOXICITY. INGREDEINT DATA: METHANOL: ORAL HUMAN LDLO=143 MG/KG; ORAL RAT LD50=5628 MG/KG. INHALATION RAT LC50=64000 PPM/4HR.
======== Ecological Information ===========
Ecological:PRODUCT ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT: NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT. INGREDIENT ECOLOGICAL DATA: NO ECOLOGIC AL DATA AVAILABLE FOR THE INGREDIENTS OF THIS PRODUCT.
======= Disposal Considerations ==========
Waste Disposal Methods:ELIMINATE ALL SOURCES OF IGNITION. DO NOT BREATHE THE FUMES. USE ONLU NON-SPARKING TOOLS. INCINERATE MATERIAL AT AN E.P.A. APPROVED HAZARDOUS WASTE FACILITY. EMPTY CONTAINERS: RINSE THREE TIMES WITH A ND APPROPTIATE SOLVENT. DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH.
======= MSDS Transport Information ====================================
Transport Information:US DOT PROPER SHIPPING NAME : ALCOHOL, N.O.S. (