View NSN Online: https://aerobasegroup.co.il/nsn/6810-00-798-9709

HACH COMPANY -- 42453, BUFFER SOLUTION HARDNESS 1 PH 10.1 +/- 0.1 -- 6810-00-798-9709

Product ID:42453, BUFFER SOLUTION HARDNESS 1 PH 10.1 +/- 0.1

MSDS Date:05/03/2000

FSC:6810

NIIN:00-798-9709

Status Code:A

MSDS Number: CLJSX === 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.: MSDS NUMBER: M00305

CAGE:UO405

=== Contractor Identification ===
Company Name: HACH COMPANY

Box:389

City:LOVELAND

State:CO ZIP:80539 Country:US

Phone:970-669-3050

CAGE:UO405

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

Ingred Name: ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

Minumum % Wt:1.

Maxumum % Wt:10.

OSHA PEL:10 PPM

ACGIH TLV:10 PPM

ACGIH STEL:15 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name: DEMIN

ERALIZED WATER CAS:7732-18-5 RTECS #:ZC0110000 Minumum % Wt:35. Maxumum % Wt:45.

Ingred Name:OTHER COMPONENTS & Ut; Wt:1.

Ingred Name:AMINOMETHYLPROPANOL CAS:124-68-5 RTECS #:UA5950000 Minumum % Wt:50. Maxumum % Wt:60.

LD50 LC50 Mixture:C/CE..PLS FILL OUT THIS SECTION Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: CAUSES EYE BURNS. SKIN CONTACT: CAUSES MILD IRRITATION. SKIN AB

SORPTION: WILL BE ABSORBED THROUGH

THE SKIN. INGESTION: MAY CAUSE: ABDOMINAL PAIN. INHALATION: MAY CAUSE: RESPIRATORY TRACT IRRITATI ON. CHRONIC EFFECTS: NONE REPORTED.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY OSHA LISTED CARCINOGENS.THIS PRODUCT DOES NOT CONTAIN ANY IARC LISTED CHEMICALS. THIS PRODUCT DOES NOT CONTAIN ANY NTP LISTED CHEMICALS. ADDITIONAL CANCER/REPRODUCTI VE TOXICITY INFORMATION: CONTAINS: AN EXPERIMENTAL MUTAGEN.

Medical Con

d Aggravated by Exposure:PRE-EXISTING: EYE CONDITIONS, SKIN CONDITIONS, RESPIRATORY CONDITIONS.

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT (FIRST AID): WASH SKIN WITH PLENTY OF WATER. CALL PHYSICIAN IF IRRITATION DEVELOPS. INGESTION (FIRST AID): GIVE LARG E QUANTITIES OF WATER. CALL PHYSICIAN IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR.

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==== Fire Fighting Measures ===========
Flash Point Method:CC Flash Point:>97.2C, 207.F Autoignition Temp:Autoignition Temp Text:NOT DE Lower Limits:NOT DETERMIN Upper Limits:NOT DETERMIN Extinguishing Media:WATER, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM. Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF CONTAINED BREATHING APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR Unusual Fire/Explosion Hazard:MAY REACT VOILENTLY WITH: STRONG OXIDIZERS. CAN BURN IN FIRE, RELEAS ING TOXIC VAPORS.
========= Accidental Release Measures ==========
Spill Release Procedures:ONLY PERSONS PROPERLY QUALIFIED TO RESPOND TO AN EMERGENCY INVOLVING HAZARDOUS SUBSTANCES MAY RESPOND TO A SPILL ACCORDING TO FEDERAL REGULATIONS (OSHA 29 CFR 1910.120(A)(V) & PER YOUR COMPANY'S EMERG ENCY RESPONSE PLAN & GUIDELINES/PROCEDURES. ABSORB SPILLED LIQUID WITH NON-REACTIVE SORBENT MATERIAL. DIKE LARGE SPILLS TO KEEP SPILLED MATERIAL FROM ENTERING SEWAGE/DRAINAGE SYSTEMS/BODIES OF WATER. Neutralizing Agent:SULFURIC OR CITRIC ACID.
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Handling and Storage Precautions:HANDLING: AVOID CONTACT WITH EYES, SKIN, CLOTHING. DO NOT BREATHE MIST OR VAPORS. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. STORAGE: STORE AWAY FROM: OXIDIZERS. PROTECT FROM: HEAT. FLAMMABILITY CLASS: IIIB Other Precautions:CLEAN UP TECHN IQUE-COVER SPILLED MATERIAL WITH A DRY ACID, SUCH AS CITRIC OR BORIC. SCOOP UP SLURRY INTO A LARGE BEAKER. DILUTE WITH WATER. ADJUST TO A PH BETWEEN 6-9 WITH AN ACID, SUCH AS SULFURIC OR CITRIC. FLUSH REACTED MATERIAL TO THE DRAIN WITH WATER. DECONTAMINATE THE AREA WITH WEAK ACID SOLUTION.
====== Exposure Controls/Personal Protection ========

Ventilation:ADEQUATE VENTILATION.
Protective Gloves:DISPOSABLE LATEX GLOVES.
Eye Protection:CHEMICAL SPLASH GOGGLES.
Othe

r Protective Equipment: HAVE EYEWASH STATION NEARBY. LAB COAT.

Work Hygienic Practices:MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. AVOID CONTACT WITH: EYES, SKIN, CLOTHING. DO NOT BREATHE: MIST/VAPOR. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM: OXIDIZERS.

Supplemental Safety and Health

EMPTY CONTAINERS: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT.
DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH. NOTICE(DISPOSAL)-THESE
DISPOSAL GUIDELINES ARE BASED O

N FEDRAL REGULATIONS & MAY BE

SUPERCE DED BY MORE STRINGENT STATE OR LOCAL REQUIREMENTS. PLEASE CONSULT YOUR LOCAL ENVIRONMENTAL REGULATORS FOR MORE INFO.

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

HCC:B3

Boiling Pt:=104.4C, 220.F

Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED

Vapor Pres:NOT DETERMINED Vapor Density:NOT DETERM Spec Gravity:1.033 (WATER=1)

pH:10.0(2% SOL)

Evaporation Rate & Properties (WATER=1)

Solubility in Water:SOLUBLE

Appearance and Odo

r:CLEAR, YELLOW LIQUID, VINEGAR ODOR

Corrosion Rate:STEEL:0.002 IN/YR

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

Stability Indicator/Materials to Avoid:YES

MAY REACT VOILENTLY IN CONTACT WITH: OXIDIZERS

Stability Condition to Avoid: STABLE WHEN STORED UNDER PROPER

CONDITIONS. AVOID: EXTREME TEMPERATURES.

Hazardous Decomposition Products: TOXIC FUMES OF: NITROGEN OXIDES,

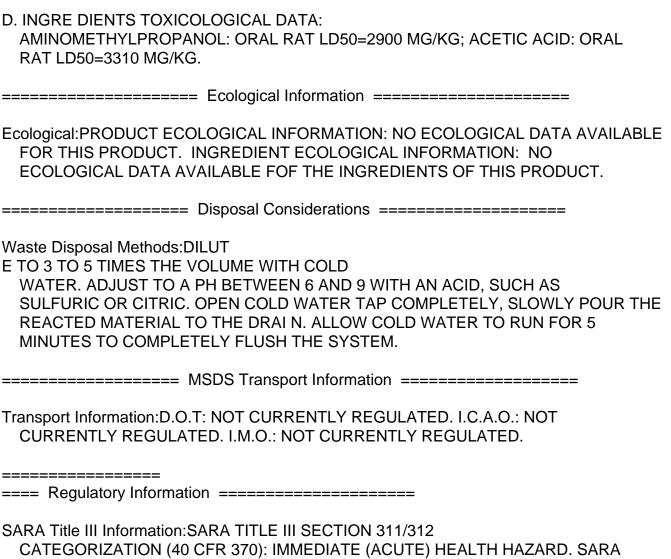
CARBON DIOXIDE, CORBON MONOXIDE

Conditions to Avoid Polymerization: WILL NOT OCCUR

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

Toxicological Information:PRODUCT TOXICITY DATA: NONE REPORTED. SKIN & EYE IRRITATION DATA: AMINOMETHYLPROPANOL: SKIN AT 1 HOUR EXCPOSURE; ERTHEMA SCORE OF 1 @ 1HOUR, EDEMA SCORE OF 0.67 @1HOUR-MILD; SKIN AT 4 HOURS EXPOSURE: ERTHEMA SCORE OF 1.33 @1 HOUR, EDEMA SCORE OF 1.67@ 1 HOUR-MILD. MUTATION DATA: ACETIC ACID: HUMAN SISTER CHROMATID EXCHANGE IN LYMPHOCYTES AT 5 MMOL/L. REPRODUCTIVE EFFECTS DATA: NONE REPORTE



SARA Title III Information:SARA TITLE III SECTION 311/312
CATEGORIZATION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD. SARA
TITLE III SECTION 313 (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN
ANY CHEMICAL SUBJECT TO THE REPORTIN G REQUIREMENTS OF SECTION 313
OF TITLE III OF SARA.

Federal Regulatory Information:O.S.H.A.: THIS PRODUCT MEETS THE CRITERIA FOR A HAZARDOUS SUBSTANCE AS DEFINED IN THE HAZARD COMMUNICATION STAND

ARD (29 CFR 1910.1200). 302 (EHS) TPQ (40 CFR 355): NOT APPLICABLE. 304 CERCLA RQ (40 CF R 302.4): ACETIC ACID 5000 LBS. 304 EHS (40 CFR 355): NOT APPLICABLE. CLEAN WATER ACT (40 CFR 116.4): ACETIC ACID-RQ 5000 LBS. RCRA: CONTAINS NO RCRA REGULATED SUBSTANCES. C.P.S.C.: NOT APPLICABLE. U. S. INVENTORY STATUS: ALL INGREDIENTS IN THIS PRODUCT RE LISTED ON THE TSCA 8(B) INVENTORY (40 CFR 71 0)> TSCA CAS NUMBER: NOT APPLICABLE. TRADE SECRET REGISTRY: NOT APPLICABLE.

State

Regulatory Information: CALIFORNIA PROP. 65: NO 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. IDENTIFICATION OF PROP. 65 INGREDIENT(S): NOT APPLICABLE.

======= Othe	r Information ===========	=
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