

HACH CO -- 105599, SULFAMIC ACID -- 6810-01-200-8010

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

Product ID:105599, SULFAMIC ACID
MSDS Date:11/02/2000
FSC:6810
NIIN:01-200-8010
Status Code:A
Kit Part:Y
MSDS Number: CLFPC
=== Responsible Party ===
Company Name:HACH CO
Address:5600 LINDBERGH DR
Box:389
City:LOVELAND
State:CO
ZIP:80539-8902
Country:US
Info Phone Num:970-669-3050/800-227-4224
Emergency Phone
Num:303-623-5716
Resp. Party Other MSDS Num.:M00007
CAGE:91224
=== Contractor Identification ===
Company Name:BENTLY PACKING CORP
Address:3031WMILL RD
Box:City:MILWAUKEE
State:WI
ZIP:53209
Country:US
CAGE:0BGE6
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
CAGE:91224

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

Ingred Name:SULFAMIC ACID
CAS:5329-14-6
RTECS #:WO5950000
> Wt:99.

Ingr

ed Name:OTHER COMPONENT
< Wt:1.

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Hazards Identification
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LD50 LC50 Mixture:ORAL RAT LD50: 3160 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:CAUSES EYE BURNS CAUSES SKIN AND
RESPIRATORY TRACT IRRITATION. EYE: CAUSES BURNS. SKIN CONTACT:
CAUSES SEVERE IRRITATION: SKIN ABSORPTION: NONE REPORTED.
INGESTION: MAY CAUSE IRRITATION OF THE MO
OUTH AND ESOPHAGUS
GASTROINTESTINAL IRRITATION. INHALATION: MAY CAUSE IRRITATION OF
NOSE AND THROAT.
Explanation of Carcinogenicity:NOT APPLICABLE.
Effects of Overexposure:CAUSES EYE BURNS CAUSES SKIN AND RESPIRATORY
TRACT IRRITATION. EYE: CAUSES BURNS. SKIN CONTACT: CAUSES SEVERE
IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE MOUTH AND
ESOPHAGUS GASTROINTESTINAL IR RITATION. INHALATION: MAY CAUSE
IRRITATION OF NOSE AND THROAT.
Medical Cond Aggravated by Exposure:PRE-
EXISTING EYE CONDITIONS, SKIN
CONDITIONS, RESPIRATORY CONDITIONS.

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First Aid Measures
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First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL
PHYSICIAN. SKIN: WASH SKIN WITH PLENTY OF WATER FOR 15 MINUTES.
CALL PHYSICIAN IMMEDIATELY. INGESTIONL DO NOT INDUCE VOMITING. GIVE
1-2 GLAS SES OF WATER. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO
FRESH AIR

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Fire Fighting Measures
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Extinguishing Media:DRY CHEMICAL. WATER.
Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING
APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:MAY REACT VIOLENTLY WITH CHLORINE/
CHLORINE COMPOUNDS, METAL MITRITES, NITRIC ACID. FLAMMABILITY
CLASS: NOT APPLICABLE.

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Accidental Release Measures
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Spill Release Procedures:SCOOP

UP SPILLED MATERIAL INTO A LARGE BEAKER AND DISSOLVE WITH WATER. ADJUST TO A PH BETWEEN 6 AND 9 WITH AN ALKALI, SUCH AS SODA ASH OR SODIUM BICARBONATE. FLUSH REACTED MATERIAL TO THE DRAIN WITH A LARGE EXCESS OF WATER. DECONTAMINATE THE AREA OF THE SPILL WITH A SOAP SOLUTION.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE

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

Handling and Storage Precautions:HANDLING: AVOID CONTACT WITH EYES SKIN. DO NOT BR EATHE DUST. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. STORAGE: STORE AWAY FROM OXIDIZERS, ALKALIES CHLORINE/CHLORINATED ME TALS. PROTECT FROM HEAT AND MOISTURE.

Other Precautions:NO DATA PROVIDED BY MANUFACTURER

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

Respiratory Protection:ADEQUATE VENTILATION.
Ventilation:ADEQUATE VENTILATION.
Protective Gloves:DISPOSABLE LATEX GLOVES.
Eye Protection:SAFETY GLASSES WITH TOP AND SIDE SHIELDS

Other Protective Equipment:EYEWASH STATION.
Work Hygienic Practices:MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
KIT/KIT PART ENABLED SINCE THIS NSN IS/CAN BE PART OF A KIT (NSN 6850-01-423-1699 (SERIAL #: ZZZXK), A SUB-ASSEMBLY OF NSN 4610-01-371-1790 (SERIAL #: ZZZXJ)). HCC IS PER THIS NSN STAND-ALONE. HCCFOR KIT IS C1.

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

HCC:C1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:=205.C, 401.F
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:2.15
pH:1.18
Evaporation Rate & Reference:NA
Solubility in Water:1.2 RATIO@80C
Appearance and Odor:WHITE CRYSTALS, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES
MAY REACT VIOLENTLY IN CONTACT WITH CHLORATES, METAL NITRATES, NITRIC ACID. INCOMPATIBLE WITH ALKALIES, OXIDIZERS.
Stability Condition to Avoid:HEAT

ING TO DECOMPOSITION. EXCESS MOISTURE.

Hazardous Decomposition Products:AMMONIA, NITROGEN OXIDES, SULFUR OXIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:LD50 (ORAL, RAT): 3160 MG/KG. LC50: NONE REPORTED. DERMAL TOXICITY: NONE REPORTED. SKIN AND EYE IRRITATION DATA: SKIN HUMAN 4%/5 DAYS INTERMITTENT MILD, SKIN RABBIT 500 MG/24H SEVERE, EYE RABBIT 20 MG MODERATE, EYE RABBIT 250 UG/24H SEVERE. MUTATION DATA: NONE REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: NOT APPLICABLE.

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

Ecological:PRODUCT ECOLOGICAL INFORMATION: NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT. INGREDIENT ECOLOGICAL DATA: NOT APPLICABLE.

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

Waste Disposal Methods:DILUTE TO 3 TO 5 TIMES THE VOLUME WITH COLD WATER. ADJUST TO A PH BETWEEN 6 AND 9 WITH AN ALKALI, SUCH AS SODA ASH OR SODIUM BICARBONAT. OPEN COLD WATER TAP COMPLETELY, SLOWLY POUR THE REACTED MATERIA L TO THE DRAIN. EMPTY CONTAINERS: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT. DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH.

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

Transport Information:DOT PROPER SHIPPING NAME: SULFAMIC ACID. DOT HAZARD CLASS: 8. DOT SUBSIDIARY RISK: NA. DOT ID NUMBER: UN2967. DOT PACKING GROUP: III. ICAO: ICAO PROPER SHIPPING NAME: SULPHAMIC ACID. ICAO HAZARD CLASS : 8. ICAO SUBSIDIARY RISK: NA. ICAO ID NUMBER: UN2967. ICAO PACKING GROUP: III. IMO: IMO PROPER SHIPPING NAME: SULPHAMIC ACID. IMO HAZARD CLASS: 8. IMO SUBSIDIARY RISK: NA. IMO ID NUMBER: UN2967. IMO PACKING GROUP: III.

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

SARA Title III Information:SECTION 3111/312 CATEGORIZATION (40 CFR 370): IMMEDIATE (ACUTE) HEA

LTH HAZARD. SECTION 313 (40 CFR 372):

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SARA. SECTION 302 (EHS) TPQ (40 CFR 355): NOT APPLICABLE. SECTION 304 CERCLA RQ (40 CFR 302.4): NOT APPLICABLE. SECTION 304 EHS RQ (40 CFR 355): NOT APPLICABLE.

Federal Regulatory Information:CLEAN WATER ACT (40 CFR 116.4): NOT APPLICABLE. RCRA: CONTAINS NO RCRA REGULATED SUBSTANCES. C.P.S.C.: NOT APPLICABLE. OSHA: THIS PRODUCT MEETS THE CRITERIA FOR A HAZARDOUS SUBSTANCE AS DEFINED IN THE HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). NATIONAL INVENTORY: TSCA LISTED-YES, TSCA CAS# 5329-14-6.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NO CALIFORNIA PROPOSITION 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. IDENTIFICATION OF CALIFORNIA PROPOSITION 65 INGREDIENT(S): NOT APPLICABLE. TRADE SECRET REGISTRY: NOT APPLICABLE.

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Other Information
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