

HACH COMPANY -- 3K GPH ROWPU KIT (PART 5 OF 10 PARTS) -- 6850-01-423-1699

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Product Identification
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Product ID:3K GPH ROWPU KIT (PART 5 OF 10 PARTS)

MSDS Date:05/29/1998

FSC:6850

NIIN:01-423-1699

Status Code:A

Kit Part:Y

MSDS Number: CKFFX

=== Responsible Party ===

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Info Phone Num:800-227-4224

Emergency Phone Num:800-227-4224

CAGE:4T252

=== Contractor Identification ===

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H

Address:8000 JEFFERSON-DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297

Country:US

Phone:804-279-3125

CAGE:02LX8

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

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

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Composition/Information on Ingredients
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Ingred Name:SULFAMIC ACID
CAS:5329-14-6
RTECS #:WO5950000
> Wt:99.

Ingred Name:OTHER COMPONENT
< Wt:1.

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Hazards Identification
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LD50 LC50 Mixture:ORAL, RAT LD50 = 3,160 MG/KG.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE EFFECTS: EYE CONTACT: CAUSES EYE
BURNS.
SKIN CONTACT: CAUSES SEVERE IRRITATION. SKIN ABSORPTION:
NONE REPORTED. INHALATION: MAY CAUSE IRRITATION OF NOSE, THROAT,
AND RESPIRATORY TRACT. INGESTION : MAY CAUSE IRRITATION OF THE
MOUTH, ESOPHAGUS, AND GASTROINTESTINAL TRACT. CHRONIC EFFECTS: NONE
REPORTED. TARGET ORGANS: NONE REPORTED.
Explanation of Carcinogenicity:NOT LISTED BY O.S.H.A., IARC, NTP.
Effects of Overexposure:EYE CONTACT: BURNS. SKIN CONTACT: SEVERE
IRRITATION. INGESTION: IRRITATION OF MOUTH, ESOPHAGUS

GASTROINTESTINALTRACT. INHALATION: IRRITATION OF NOSE, THROAT, AND
RESPIRATORY TRACT.
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 CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15
MINUTES. CALL PHYSICIAN. SKIN CONTACT: WASH SKIN WITH PLENTY OF
WATER FOR 15 MINUTES. CALL PHYSICIAN IMMEDIATELY. INGESTION: DO
NOT INDUCE VOMI
TING. GIVE 1-2 GLASSES 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 NITRAT

ES, METAL NITRITES, NITRIC
ACID. STATIC DISCHARGE: NONE REPORTED. MECHANICAL IMPACT: NONE
REPORTED.

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

Spill Release Procedures: STOP SPILL RELEASE. COVER SOLID MATERIAL WITH
SAND OR OTHER INERT MATERIAL. SCOOP UP INTO LARGE BEAKER.
DISSOLVE WITH WATER. ADJUST PH BETWEEN 6 AND 9 WITH ALKALI, SUCH AS
SODA ASH OR SODIUM BICARBONATE. FLUSH REACTED MATERIAL TO DRAIN
WITH LARGE EXCESS OF WATER. DECONTAMINATE

AREA WITH SOAP SOLUTION.

EVACUATE 15 FOOT RADIUS IF POUND OF LOOSE POWDER IS SPILLED; LARGER
AREA IF CONDITIONS WARRANT.

Neutralizing Agent: ALKALI MATERIAL SUCH AS SODA ASH OR SODIUM
BICARBONATE.

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

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

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

Respiratory Protection: ADEQUATE VENTILATION FOR INHALATION PROTECTION.
IN CASE OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS,
PRESSURE-DEMAND.

Ventilation: ADEQUATE VENTILATION FOR INHALATION PROTECTION.

Protective Gloves: DISPOSABLE LATEX GLOVES.

Eye Protection: SAFETY GLASSES WITH TOP AND SIDE SHIELDS.

Other Protective Equipment: LAB COAT, HAVE AN EYE WA
SH STATION NEARBY.

Work Hygienic Practices: MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES
WHEN USING PRODUCT. AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE
DUST. WASH AFTER HANDLING. KEEP AWAY FROM ALKALIES, METALS. PROTECT
FROM HEAT, MOISTURE.

Supplemental Safety and Health

KEY1: C1. THIS ITEM IS NSN 6810-01-200-8010, CAGE 91224 WHICH IS PART 5
OF A 12 PART KIT. (10 PARTS HAZARDOUS). SEE THIS NSN AND PART 1-10
FOR THE MSDS'S WHICH ARE THE HAZARDOUS COMPONENTS OF THIS KIT . TH

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NON-HAZARDOUS ITEMS ARE NSN-01-350-9102; CARTRIDGE ELEMENT AND NSN:
4330-01-350-9101; FILTER.

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

HCC:C1

Melt/Freeze Pt:=205.C, 401.F

Spec Gravity:2.15

pH:1.18

Solubility in Water:1:2 RATIO@ 176F

Appearance and Odor:SOLID WHITE CRYSTALS. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

MAY REACT VIOLENTLY IN CONTACT WITH CHLORATES, METAL NITRATES, METALS

NITRITES, NITRIC ACID. INCOMPATIBLE WITH ALKALIES, OXIDIZERS.

Stability Condition to Avoid:STABLE WHEN STORED UNDER PROPER
CONDITIONS. AVOID HEATING TO DECOMPOSITION, EXCESS MOISTURE.

Hazardous Decomposition Products:HEATING TO DECOMPOSITION RELEASES
TOXIC AND OR CORROSIVE FUMES OF AMMONIA, NITROGEN OXIDES, SULFUR
OXIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:ORAL RAT

LD50=3,160 MG/KG. LC50: NONE

REPORTED. DERMAL TOXICITY DATA: 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 MICRO GM/ 24H= SEVERE. MUTATION DATA: NONE REPORTED.

REPRODUCTION DATA: NONE REPORTED.

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

Ecological:NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT.

===== Disposal Consider

ations =====

Waste Disposal Methods:DILUTE WASTE TO 3 TO 5 TIMES VOLUME WITH COLD WATER. ADJUST PH BETWEEN 6 AND 9 WITH ALKALI, SUCH AS SODA ASH OR SODIUM BICARBONATE. OPEN COLD WATER TAP COMPLETELY, SLOWLY POUR REACTED MATERIAL TO DRAIN. EMPTY CONTAINERS: RINSE 3 TIMES WITH SOLVENT. RINSEATE MAY CONTAIN SUFFICIENT PRODUCT TO DISPOSE OF AS HAZARDOUS WASTE. CONSULT LOCAL REGULATORS.

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

Transp

ort Information:D.O.T.: PROPER SHIPPING NAME: SULPHAMIC ACID, CLASS 8, UN 2967, PKG III. I.C.A.O.:SULPHAMIC ACID, CLASS 8, UN 2967, PKG III. I.M.O: SULPHAMIC ACID, CLASS 8, UN 2967, PKG III.

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

SARA Title III Information:SECTION 311/312CATEGPROZATION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD. SECTION 313 (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMEN

TS OF SECTION 313. 302 (EHS) TPQ (40 CFR 355): NOT APPLICABLE. 304 CERCLA RQ (40 CFR 302.4): NOT APPLICABLE. 304 EHS RQ (40 CFR 355): NOT APPLICABLE. CLEAN WATER ACT (40 CFR 116.4): NOT APPLICABLE. RCRA: CONTAINS RCRA REGULATED SUBSTANCES, EPA WASTE ID NUMBER=D002. C.P.S.C.: NOT APPLICABLE.

Federal Regulatory Information:O.S.H.A.: THIS PRODUCT MEETS THE CRITERA FOR A HAZARDOUS SUBSTANCE AS DEFINED IN THE HAZARD COMMUNICATION STANDARD, (29 CFR 1910.1200).

State Regulator

y Information:CALIFORNIA PROP. 65: NO PROP. 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. IDENTIFICATION OF PROP. 65 INGREDIENT: NOT APPLICABLE.

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

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