

HACH CO -- 1206699, CHROMAVER 3 CHROMIUM REAGENT (SEE SUPPLEMENTAL DATA --
6810-01-447-6498

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

Product ID:1206699, CHROMAVER 3 CHROMIUM REAGENT (SEE SUPPLEMENTAL DATA

MSDS Date:11/01/2000

FSC:6810

NIIN:01-447-6498

Status Code:A

Kit Part:Y

MSDS Number: CLSGL

=== Responsible Party ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80

538-8902

Country:US

Info Phone Num:970-669-3050/800-227-4224

Emergency Phone Num:303-623-5716

Resp. Party Other MSDS Num.:M00001

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

CAGE:91224

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

Ingred Name:POTASSIUM PYROSULFATE

CAS:7790-62-7

Minimum % Wt:75.

Maximum % Wt:85.

Ingred Name:OTHER COMPONENT

M

imum % Wt:.01
Maxumum % Wt:.1

Ingred Name:MAGNESIUM SULFATE
CAS:10034-99-8
RTECS #:OM4508000
Minumum % Wt:15.
Maxumum % Wt:25.

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Hazards Identification
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: CAUSES EYE BURNS. SKIN
CONTACT: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE:
GASTROINTESTINAL IRRITATION. INHALATION: MAY CAUSE: RESPIRATORY
TRACT IRRITATION.

Effects of Overexposure:EYE CO
NTACT: CAUSES EYE BURNS. SKIN CONTACT:
MAY CAUSE IRRITATION. INGESTION: MAY CAUSE: GASTROINTESTINAL
IRRITATION. INHALATION: MAY CAUSE: RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure: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. CALL PHYSICIAN IF
IRRITATION DEVELOPS. INGESTION: DO NOT
INDUCE VOMITING. G IVE 1-2 GLASSES OF WATER. CALL PHYSICIAN
IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCCIOUS PERSON.
INHALATION: REMOVE TO FRESH AIR.

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Fire Fighting Measures
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Autoignition Temp:Autoignition Temp Text:ND
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, 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 VIOLENTLY WITH: STRONG BASES
STRONG REDUCERS.

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Accidental Release Measures
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Spill Release Procedures:STOP SPILLED MATERIAL FROM BEING RELEASED TO
THE ENVIRONMENT. 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 BICARBONTE. FLUSH REACTED MATERIAL TO
THE DRAIN WITH LARGE EXCESS OF WATE

R. DECONTAMINATE THE AREA OF THE
SPILL WITH A SOAP SOLUTION.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN. DO NOT
BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL
INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. KEEP AWAY
FROM: REDUCERS PROTECT FROM : MOIST URESTORE BETWEEN 10 AND 25
DEGREES C.

Other Precautions:AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE DUST

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

Respiratory Protection:ADEQUATE VENTILATION.

Ventilation:USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO MIST, VAPOR
OR DUST.

Protective Gloves:DISPOSAL LATEX

Eye Protection:SAFETY GLASSES WITH TOP AND SIDE SHIELDS

Other Protective Equipment:HAVE AN EYEWASH STATION NEARBY. USE A FUME
HOOD TO AVOID EXPOSURE TO DUST, MIST OR VAPOR. MAINTAIN GENERAL
INDUSTRIAL HYGIENE PRACTICES
WHEN USING THIS PRODUCT. LAB COAT.

Work Hygienic Practices:MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES
WHEN USING THIS PRODUCT. AVOID CONTACT WITH EYES. DO NOT BREATHE:
DUST. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS IS A KIT WITH PART NUMBER: 2242500, CONSISTING OF: 212699, ACID
REAGENT; 204499, CHROMIUM 2 REAGENT; 204399, CHROMIUM 1 REAGENT;
1206699, CHROMAVER 3 CHROMIUM REAGENT.THIS IS PART OF A KIT, KIT N
UMBERS, MSDS#; CLSGJ, MSDS#; CLSGK,MS

DS#; CLSGLH

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

HCC:T6

Melt/Freeze Pt:=-215.C, 419.F

M.P/F.P Text:DECOMPOSES

Decomp Temp:=-215.C, 419.F

Spec Gravity:2.26

pH:1.1

Evaporation Rate & Reference:N/A (WATER=1)

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:WHITE OR LIGHT PINK POWDER. SOLID

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, REDUCERS.

Stability Condition to Avoid:ST

ABLE WHEN STORED UNDER PROPER
CONDITIONS. CONDITIONS TO AVOID: EXCESS MOISTURE, HEATING TO
DECOMPOSITION.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:LD50: NONE REPORTED. LC50: NONE REPORTED.
DERMAL TOXICITY DATA: NONE REPORTED. SKIN AND EYE IRRITATION DATA:
SK
IN: NO CORROSIVE, NO EDEMA, NO ERYTHEMA. MUTATION DATA: NONE
REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT
TOXICOLOGICAL DATA: POTASSIUM PYROSULFATE: ORAL RAT LD50=2340
MG/KG.

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

Ecological:NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT.

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

Waste Disposal Methods:DILUTE MATERIAL WITH EXCESS WATER MAKING A
WEAKER THAN 5% SOLUTION.
ADJUST TO A PH BETWEEN 6 AND 9 WITH AN
ALKALI, SUCH AS SODA ASH OR SODIUM BICARBONATE. OPEN COLD WATER TAP
COMPLETELY, SLOWLY POUR THE REACTED MATERIAL TO THE DRAIN.

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

Transport Information:DOT, ICAO, IMO: NOT CURRENTLY REGULATED.

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

SARA Title III Information:S.A.R.A. TITLE III SECTION 311/212
CATEGORIZATION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH
HAZARD
DELAYED (CHRONIC) HEALTH HAZARD. S.A.R.A. TITLE III SECTION 313 (40
CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO
THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III SARA.
CONTAINS NO RCRA REGULATED SUBSTANCES.
Federal Regulatory Information:O.S.H.A.: THIS PRODUCT MEETS THE
CRITERIA FOR A HAZARDOUS SUBSTANCE AS DEFINED IN THE HAZARD
COMMUNICATION STANDARD. (29 CFR 1910.1200). ALL INGREDIENTS IN THIS
PRODUCT ARE LISTED ON THE TSCA 8 (B) IN

VENTORY (40 CFR 710). TSCA

CAS NUMBER: NOT APPLICABLE.

State Regulatory Information: ALL INGREDIENTS IN THIS PRODUCT ARE LISTED
ON THE TSCA 8 (B) INVENTORY (40 CFR 710). TSCA CAS NUMBER: NOT
APPLICABLE.

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

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