

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:8

0538-8902

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

Minimum % Wt.:01

Maximum % Wt.:1

Ingred Name:MAGNESIUM SULFATE

CAS:10034-99-8

RTECS #:OM4508000

Minimum % Wt.:15.

Maximum % Wt.:25.

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

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 C

ONTACT: 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 =====

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. 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 =====

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 =====

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 BICARBONATE. FLUSH REACTED MATERIAL TO THE DRAIN WITH LARGE EXCESS OF WATER

ER. DECONTAMINATE THE AREA OF THE  
SPILL WITH A SOAP SOLUTION.  
Neutralizing Agent:SODA ASH OR SODIUM BICARBONTE

===== 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 CON  
TACT 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 PRACTICE

S WHEN USING THIS PRODUCT. LAB COAT.

Work Hygienic Practices:MAINTAIN GENERAL INDUSATRIAL 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,M

SDS#; 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:S

TABILE 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:  
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KIN: NO CORROSIVE, NO EDEMA, NO ERYTHEMA. MUTATION DATA: NONE  
REPORTED. REPRODUCTIVE EFFETS 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) I

N 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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