

APCCO CHEMICAL COMPANY -- SODIUM DICHROMATE -- 6810-00-262-8566

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

Product ID:SODIUM DICHROMATE

MSDS Date:02/18/1993

FSC:6810

NIIN:00-262-8566

MSDS Number: BSHSH

=== Responsible Party ===

Company Name:APCCO CHEMICAL COMPANY

Address:203 W OLDFIELD ST

City:LANCASTER

State:CA

ZIP:93534

Country:US

Info Phone Num:805-726-2590

Emergency Phone Num:805-726-2590/800-424-9

300(CHEMTREC)

CAGE:0YGW8

=== Contractor Identification ===

Company Name:APCCO CHEMICAL CO

Box:808

City:LANCASTER

State:CA

ZIP:93584-0808

Country:US

Phone:805-726-2590

CAGE:0YGW8

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

Ingred Name:SODIUM BICHROMATE (SARA III)

CAS:10588-01-9

RTECS #:HX7700000

Fraction by Wt: 99.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.1 MG (CRO3)/M3

ACGIH TLV:0.05 MG(CR)/M3; 9394

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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Hazards Identification =====

LD50 LC50 Mixture:LD50 ORAL RAT IS 51 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE- INHALATION CAN CAUSE

RESPIRATORY TRACT IRRITATION. ORAL:MAY CAUSE IRRITATION & DAMAGE TO DIGESTIVE TRACT. SKIN:MAY CAUSE IRRITATION & ULCERS. EYE:SEVERE IRRITATION/CONJUNCTIVITIS. CHRONIC- TOXIC TO KIDNEYS, LIVER & GI TRACT. MAY CAUSE DE

RMATITIS. TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS.

Explanation of Carcinogenicity:CHROMIUM (+6)

Effects of Overexposure:SEVERE IRRITATION OF EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS, SKIN RASHES AND ULCERS, PERFORATION OF THE NASAL SEPTUM, BURNING SENSATION IN THE THROAT, ABDOMINAL PAIN, DIZZINESS, VOMITING, INTENSE THIRST, SHOCK

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY

FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

===== First Aid Measures =====

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH SKIN WITH WATER FOR 15 MINUTES. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK 2-4 GLASSES OF WATER/MILK & INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:AS A STRONG OXIDIZER, REACTION WITH COMBUST

IBLE OR REDUCING AGENTS MAY CAUSE IGNITION. MAY EXPLODE WHEN SHOCKED OR IF EXPOSED TO HEAT, FLAME OR FRICTION.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. CAREFULLY SWEEP UP AND PLACE IN A METAL CONTAINER. AVOID RAISING DUST. REDUCE WITH SODIUM BISULFITE AND NEUTRALIZE WITH SODA ASH OR LIME. NEVER FLUSH INTO S EWER SYSTEM.

Neutralizing Agent:SODIUM BISULFITE, SODIUM SULFITE, FERROUS

SULFATE/CHLORIDE

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. AVOID STORAGE ON WOOD FLOORS. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING AND BEFORE E ATING AND DRINKING. RQ = 10 LBS.

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

Respiratory Protection:FOR CONDITIONS WHERE EXPOSURE TO DUST OR FUMES IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. IN EMERGENCY, WEAR SELF-CONTAINED BREATHI NG APPARATUS OPERATED IN + PRESSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:CHEMIC AL RESISTANT GLOVES/RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

RECOMMENDATION TO A PHYSICIAN: TREAT INGESTION BY RENAL DIALYSIS AND ASCORBIC ACID ADMINSTRATION. INDUCE VOMITING. TREAT SYMPTOMATICALLY.

===== Physical

/Chemical Properties =====

HCC:D2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:Decomp Text:675F,357C

Spec Gravity:2.35

pH:3- 4.6

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:74%

Appearance and Odor:ORANGE-RED CRYSTALS OR GRANULES - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS, OIL, GREASE, COMBUSTIBLE MATERIALS

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

Hazardous Decomposition Products:OXIDES OF CHROMIUM

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. HEXAVALENT CHROMIUM IN SOLUTION CAN BE REDUCED TO TRIVALENT CHROMIUM BY SODIUM BISULFITE, SULFUR DIOXIDE, ETC.. NEUTRALIZE TO PH 7.5 AND DISPOSE SOLIDS AS HAZARDOUS WASTE

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