

ALLIED CHEMICAL,ALLIED CORP -- SODIUM DICHROMATE, FINE CRYSTAL, REAGENT; S --
6810-00-262-8566

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

Product ID:SODIUM DICHROMATE, FINE CRYSTAL, REAGENT; S

MSDS Date:11/01/1984

FSC:6810

NIIN:00-262-8566

MSDS Number: BMQSB

=== Responsible Party ===

Company Name:ALLIED CHEMICAL,ALLIED CORP

Address:COLUMBIA RD AND PARK AVE

Box:1087R

City:MORRISTOWN

State:NJ

ZIP:07960

Cou

ntry:US

Info Phone Num:201-455-3073

Emergency Phone Num:201-455-3073

Preparer's Name:DIRECTOR, PRODUCT SAFETY

CAGE:70308

=== Contractor Identification ===

Company Name:HONEYWELL INTL INC ENVIRONMENTAL SYSTEMS AND SERVICES

Address:101 COLUMBIA RD

Box:City:MORRISTOWN

State:NJ

ZIP:07962

Country:US

Phone:973-455-3922

CAGE:70308

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

Ingred Name:DOSIUM DICHROMATE DIHYDRATE

CAS:7789-12-0

RTECS #:HX7750000

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM BICHROMATE (SARA III)

CAS:10588-01-9

RTECS #:HX7700000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 PPM CRO3;CEILING

ACGIH TLV:0.05 MG CR/M3; 9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 105 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION OF BICHROMATE DUST

CAN

CAUSE ULCERATION OF THE NASAL SEPTUM, AS WELL AS IRRITATION TO THE RESPIRATORY SYSTEM. OVEREXPOSURE CAN CAUSE CANCER. INGESTION CAN BE HARMFUL OR FATAL.DUST CAN CAUSE SKIN IRRITATION. CONTACT WITH BREAKS IN THE SKIN CAN CAUSE "CHROME SORES". EYE CONTACT CAN CAUSE SEVERE IRRITATION.

Explanation of Carcinogenicity:IARC CARCINOGENICITY EVALUATION:

"SUFFICIENT".

Effects of Overexposure:INGESTION-SYSTEMIC POISON; BICHROMATES ARE

PROMARILY TOXIC TO THE KIDNEYS, LIVER A

ND GASTRO INTESTINAL TRACT.

BICHROMATES ARE SKIN SENSITIZERS. EYE-CAN CAUSE DERMATITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. A 10% SOLUTION OF ASCORBIC ACID IS USEFUL FROM CHROMIC ACID OR HOT CHROMATE SOLUTION. INHALATI ON: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NO T BREATHING.

INGESTION: GIVE WATER AND IMMEDIATELY INDUCE VOMITING. CAN USE IPECAC SYRUP, FOLLOWED BY MORE WATER OR MUCILAGINOUS DRINKS.

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===== Fire Fighting Measures =====
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Flash Point:NOT FLAMMABLE

Extinguishing Media:SMALL FIRE-DRY CHEMICAL, CARBON DIOXIDE OR WATER SPRAY. LARGE FIRE-WATER SPRAY (MAY REQUIRE FLOODING AMOUNTS).

Fire Fighting Procedures:USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING IF EXPOSED TO

CHROMIUM. COOL

FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WATER RUNOFF MAY CONTAIN HEXAVALENT CHROMIUM & SHOULD NOT BE ALLOWED TO ENTER SEWERS OR WATERWAYS.

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

Spill Release Procedures:SHOVEL UP DRY CHEMICAL AND PLACE IN AN EMPTY METAL DRUM WITH A COVER. DO NOT RETURN TO ORIGINAL CONTAINER. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER. RECOVER RESULTING SOLUTION. KEEP OUT OF SEWE

R. ANY RELEASE MUST BE REPORTED TO AUTHOROTIES.

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

Handling and Storage Precautions:STORE IN DRY, WELL VENTILATED AREA IN SUITABLE TIGHTLY CLOSED CONTAINERS. AVOID WOODEN FLOORS & CONTACT WITH REDUCING AGENTS.

Other Precautions:AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING DUST OR MIST FROM SOLUTION. HANDLE CAREFULLY IN A MANNER THAT MINIMIZES DUSTING AND SPLASHES.

===== Exposure Contro

Is/Personal Protection =====

Respiratory Protection:WHERE REQUIRED, USE NIOSH/MSHA APPROVED HIGH-EFFICIENCY DUST RESPIRATOR AND MIST RESPIRATOR, AS APPLICABLE. FOR SOME EXPOSURE, A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPI RATOR MAY BE NECESSARY.

Ventilation:SUFFICIENT TO REDUCE CHROMIUM CONCENTRATIONS BELOW CURRENT PERMISSIBLE LEVELS.

Protective Gloves:WEAR GLOVES

Eye Protection:CHEMICAL SAFETY GLASSES/FACE SHIELD

Other Protective Equipmen

t:WEAR HARD HAT, RUBBER APRON, BOOTS, LONG SLEEVED SHIRTS. EMERGENCY EYE WASH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

HEAD AND SHOULDER SHOULD BE COVERED. TAKE HOT SHOWER AFTER WORK, USING PLENTY OF SOAP. DO NOT WEAR CONTACT LENSES.

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

HCC:D2

Boiling Pt:B.P. Text:185

F,85C
Melt/Freeze Pt:M.P/F.P Text:675F,357C
Spec Gravity:2.35
pH:3.5-4
Solubility in Water:72% SOLUTION AT 10C
Appearance and Odor:REDDISH TO BRIGHT ORANGE CRYSTALS. ODORLESS.
DELIQUESCENT.

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

Stability Indicator/Materials to Avoid:YES
REDUCING AGENTS - REACTION CAN BE VIOLENT.
Stability Condition to Avoid:HIGH TEMPERATURES: DECOMPOSES AT ABOUT
400C TO YIELD OXYGEN WHICH POSES A FIRE AND REACTIVITY HAZARD.
Hazardous Decom
position Products:DECOMPOSES AT HIGH TEMPERATURES TO
YIELD OXYGEN, SODIUM CHROMATE AND CHROMIC OXIDE.

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

Waste Disposal Methods:HEXAVALENT CHROMIUM CANNOT BE DISCHARGED TO
WATERWAYS. DISPOSAL METHOD MAY DEPEND ON REGULATIONS. DISPOSE BY A
CONTRACTOR OR IN AN APPROVED CHEMICAL WASTE LANDFILL MAY BE
NECESSARY. EMPTY BAGS SHOULD ALSO BE DISPOSED OF BY A WASTE
DISPOSAL CONTRACTOR.

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