

CITY CHEMICAL CO -- SODIUM DICHROMATE -- 6810-00-890-2052

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Product Identification
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Product ID:SODIUM DICHROMATE

MSDS Date:03/09/1994

FSC:6810

NIIN:00-890-2052

MSDS Number: BSYKH

=== Responsible Party ===

Company Name:CITY CHEMICAL CO

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07302-1043

Country:US

Info Phone Num:201-653-6900

Emergency Phone Num:201-653-6900

CAGE:8G980

=== Con

tractor Identification ===

Company Name:CITY CHEMICAL CO

Address:100 HOBOKEN AVE

Box:City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-424-9300(CHEMTREC)

CAGE:8G980

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Composition/Information on Ingredients
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Ingred Name:SODIUM DICHROMATE

CAS:7789-12-0

RTECS #:HX7750000

Fraction by Wt: 100% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.1 MG (CRO3)/M3

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

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Hazards Identification
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LD50 LC50 Mixture:TLV = 0.05 MG/M3 AS CR

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

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

Health Hazards Acute and Chronic:INHALATION OF DUSTS OR MISTS CAN CAUSE ULCERATION AND PERFORATION OF NASAL SEPTUM AS WELL AS IRRITATION TO RESPIRATORY SYSTEM. OVEREXPOSURE MAY CAUSE CANCER. INGESTION CAN BE HARMFUL OR FATAL. A SYSTE MIC POISON, IT IS TOXIC TO KIDNEYS, LIVER AND GI TRACT. MAY CAUSE SKIN IRRITATION, ULCERS, SEVERE EYE IRRITATION.

Explanation of Carcinogenicity:IARC AND NTP HAVE EVIDENCE THAT CHROME VI AND CERTAIN CHROMIUM COMPOUNDS MAY CAUSE CANCER.

Effects of Overexposure:ULCERATION AND PERFORATION OF NASAL SEPTUM, RESPIRATORY TRACT IRRITATION, KIDNEY/LIVER TOXICITY, SKIN IRRITATION, SKIN ULCERS, SEVERE EYE IRRITATION, CONJUNCTIVITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid

:SKIN: WASH WITH SOAP AND FLUSH WITH PLENTY OF WATER IMMEDIATELY. APPLY A WET COMPRESS OF 10% ASCORBIC ACID SOLUTION TO BURNED AREA. EYES: PROMPTLY FLUSH WITH WATER FOR 15 MINUTES. INGESTION: IF CONSCI OUS, DRINK WATER AND INDUCE VOMITING. AN EMETIC SUCH AS SYRUP OF IPECAC MAY BE USED FOLLOWED BY MORE WATER. INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. IN ALL CASES GET MEDICAL ATTENTION.

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

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sh Point:NOT FLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:DECOMPOSES AT 400C TO RELEASE OXYGEN, WHICH MAY PROMOTE BURNING OF COMBUSTIBLES. WATER RUNOFF MAY CONTAIN HEXAVALENT CHROMIUM AND SHOULD

BE CONTAINED.

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

Spill Release Procedures: SHOVEL UP DRY CHEMICAL AND PLACE IN EMPTY METAL DRUM WITH A COVER. DO NOT RETURN TO ORIGINAL CONTAINER. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER. RECOVER RESULTING SOLUTION FOR PROPER DISPOSAL. KEEP OUT OF SEWER. REPORT TO APPROPRIATE AUTHORITY

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions: AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING OF DUST OR MIST. HANDLE CAREFULLY TO MINIMIZE DUSTING AND SPLASHES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection: WHERE REQUIRED, USE NIOSH APPROVED HIGH EFFICIENCY DUST RESPIRATOR OR HIGH EFFICIENCY DUST AND MIST RESPIRATOR. FOR SOME EXPOSURES, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR MAY BE NECESSARY.

Ventilation: SUFFICIENT TO REDUCE CHROMIUM CONCENTRATION BELOW CURRENT PERMISSIBLE LIMITS. PACKING/UNLOADING AREAS NEED MECHANICAL

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: RUBBER APRON, BOOTS, HARD HAT, FULL FACE PLASTIC SHIELD, LONG-SLEEVED SHIRT AND TROUSERS FOR ROUTINE PRODUCT USE.

Work Hygienic Practices: HEAD AND NECK SHOULD BE COVERED. CONTAMINATED CLOTHING SHOULD NOT BE LAUNDERED AT HOME. TAKE A HOT SHOWER WITH SOAP.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES. WORKERS EXPOSED TO CONCENTRATED SOLUTIONS MAY REQUIRE MORE COMPLETE PROTECTION THAN INDICATED ABOVE. PROVIDE EYEWASH STATION AND QUICK DRENCH SHOWER FACILITIES.

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

HCC: T6
B

Boiling Pt: B.P. Text: DEHYDRATES

Melt/Freeze Pt: M.P/F.P Text: 675F, 357C

Vapor Pres: NOT GIVEN

Vapor Density: NOT GIVEN

Spec Gravity: 2.35

pH: SUPPDT

Evaporation Rate & Reference: NOT GIVEN

Solubility in Water: APPRECIABLE

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 Decomposition Products: OXYGEN, SODIUM CHROMATE AND CHROMIC OXIDE

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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