

OCCIDENTAL CHEMICAL CORP -- SODIUM BICHROMATE CRYSTAL -- 6810-00-281-2686

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

Product ID:SODIUM BICHROMATE CRYSTAL

MSDS Date:01/01/1998

FSC:6810

NIIN:00-281-2686

MSDS Number: BXQDT

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP

Address:5005 LBJ FREEWAY, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:800-752-5151/

800-699-4970

Emergency Phone Num:800-733-3665/972-404-3228

CAGE:4R332

=== Contractor Identification ===

Company Name:J AND M LABORATORIES, INC.

Address:1717 ROWAN ST

Box:City:LOUISEVILLE

State:KY

ZIP:40203

Country:US

Phone:800-473-6173/502-585-3176

CAGE:01VT9

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Phone:716-278-7021

CAGE:4R332

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAM

BERLAYNE PARKWAY  
Box:City:RICHMOND  
State:VA  
ZIP:23222  
Country:US  
Phone:804-264-5183/FAX: 264-5535  
CAGE:0YED2  
Company Name:VAN WATERS AND ROGERS  
Address:2256 JUNCTION AVE  
City:SAN JOSE  
State:CA  
ZIP:95131  
Country:US  
Phone:408-435-8700/800-424-9300(CHEMTREC)  
CAGE:0AN91  
Company Name:VENUS LABORATORIES INC  
Address:15571 COMMERCE LANE  
Box:City:HUNTINGTON BEACH  
State:CA  
ZIP:92649  
Country:US  
Phone:714-881-3100  
CAGE:0N140

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

Ingred Name:  
SODIUM BICHROMATE  
CAS:10588-01-9  
RTECS #:HX7700000  
Fraction by Wt: 85-89%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 PPM CRO3  
ACGIH TLV:0.05 MG(CR)/M3  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 11-15%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 51 MG/KG (BOTH SEXES)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of C

arcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:EYES: CAUSES SEVERE DAMAGE INCLUDING BURNS AND BLINDNESS. SKIN: MAY CAUSE SEVERE BURNS, DERMATITIS. INHALATION: MAY CAUSE SEVERE IRRITATION OF RESPIRATORY TRACT AND NASAL SEPTUM, KIDNEY AND LIVER DAMAGE. INGESTION: SEVERE TISSUE DESTRUCTION. KIDNEY FAILURE AND DEATH. MAY CAUSE LIVER DAMAGE.

Explanation of Carcinogenicity:NTP AND IARC HAVE DETERMINED THAT THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF HEXAVALENT CHROMIUM COMPOUNDS.

Effects of Overexposure:INHALATION-MAY CAUSE IRRITATION OF THE NASAL SEPTUM & RESPIRATORY TRACT. MAY CAUSE LIVER DAMAGE. SKIN-MAY FORM FIRMLY MARGINATED "CHROME SORES". MASSIVE OVEREXPOSURE CAN LEAD TO TO KIDNEY FAILURE & DEATH. EYE-SEVERE IRRITATION & POTENTIAL PERMANENT EYE DAMAGE. INGESTION-SEVERE TISSUE DESTRUCTION, KIDNEY FAILURE & DEATH.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISORDERS AFFECTING TARGET ORGANS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, GIVE CPR. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER/MILK. GET MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON-FLAMMABLE/NON-COMBUSTIBLE. USE AGENTS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:OXIDIZER. AVOID CONTACT WITH ORGANIC MATERIALS.

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

Spill Release Procedures

:STOP LEAKS. REMOVE AS MUCH AS POSSIBLE. THEN  
TREAT THE SPILL AREA WITH A REDUCING AGENT AND NEUTRALIZE WITH A  
WEAK BASE. FOLLOWING NEUTRALIZATION, SOAK UP WITH INERT ABSORBENT  
MATERIAL, PLACE IN A CLOSED, LABELLED CONTAINER AND STORE IN A  
SAFE PLACE.

Neutralizing Agent:NEUTRALIZE WITH SODIUM BICARBONATE, SODA ASH OR  
LIME.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED,LABELLED  
CONTAINERS AWAY

FROM HEAT,COMBUSTIBLE MATERIALS.AVOID CONTACT WITH  
ORGANIC MATERIALS,OILS,GREASES,OXIDIZABLE MATERIAL

Other Precautions:PRODUCT DISPOSAL: PRODUCT SHOULD BE COMPLETELY  
REMOVED FROM CONTAINERS. MATERIAL THAT CANNOT BE USED OR CHEMICALLY  
REPROCESSED SHOULD BE DISPOSED OF IN A MANNER MEETING GOVERNMENT  
REGULATIONS.

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

Respiratory Protection:USE A NIOSH/MSHA APPROVED RESPIRATOR, FOLLOWING  
MANUFACTURER'S RECOMMENDATION, WHERE DUST, MIST, FUMES OR VAPORS  
MAY BE GENERATED.

Ventilation:WORK AREA SHOULD BE ISOLATED AND CONTAINED AND BE PROVIDED  
WITH ADEQUATE LOCAL EXHAUST VENTILATION OR OTHER DUST CONTROL

Protective Gloves:CHEMICAL RESISTANT PVC OR NITRILE GLOVES

Eye Protection:FULL FACE SHIELD/GOGGLES/CHEMICAL GOGGLE

Other Protective Equipment:PROTECTIVE CLOTHING SHOULD BE WORN AND  
CHANGED AT DAILY. EMERGENCY SHOWER AND EYE WASH FACILITY SHOULD BE  
IN AREA.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING WITH SOAP AND

WATER BEFORE REUSE. ADVISE LAUNDRY OF THE MATERIAL CONTAMINATING  
CLOTHING.

Supplemental Safety and Health

DANGER! OXIDIZER. CAUSES SEVERE EYE IRRITATION, POSSIBLE BLINDNESS.  
RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.HCC = D2  
ASSIGNED BASED UPON THE FACT THAT ITEM IS AN OXIDIZER AND TOXIC, A  
LSO HAS ACUTE & CHRONIC HEALTH EFFECTS (SEE TABLE B-3 OF DLAI  
4145.11).

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

=====

HCC:D2

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

Spec Gravity:2.35

pH: 4.0

Solubility in Water:74%@25C;HIGHLY SOL

Appearance and Odor:BRIGHT ORANGE CRYSTALS. NO DISTINCTIVE ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH ORGANIC MATERIALS, OILS, GREASES OR ANY EASILY  
OXIDIZABLE MATERIALS.

Stability Condition to Avoid:THIS PRODUCT IS MILDLY OXIDIZING IN  
SOLUTION, BUT BECOMES STRONGLY OXIDIZING WHE  
N MIXED WITH A STRONG  
ACID SOLUTION.

Hazardous Decomposition Products:NONE KNOWN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:THE SOLID MATERIAL MEETING TREATMENT STANDARDS  
MAY BE DISPOSED OF VIA AN APPROVED CHEMICAL WASTE LANDFILL IN  
ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

Disclaimer (provided with this information by the compiling agencies):

This information is

formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.