

PHOENIX INDUSTRIES INC -- SODIUM DICHROMATE DIHYDRATE, TECHNICAL -- 6810-00-262-8566

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

Product ID:SODIUM DICHROMATE DIHYDRATE, TECHNICAL

MSDS Date:04/18/2000

FSC:6810

NIIN:00-262-8566

Status Code:A

MSDS Number: CLMNM

=== Responsible Party ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

City:RICHMOND

State:VA

ZIP:23222

Country:US

Info Phon

e Num:804-264-5183/FAX: 264-5535

Emergency Phone Num:804-264-5183

Preparer's Name:NOT PROVIDED

Chemtre Ind/Phone:(800)424-9300

CAGE:0YED2

=== Contractor Identification ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-01-M-ZH35

CAGE:0YED2

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

Ingred Name:CHROMIC ACID DISODIUM SALT DIHYDRATE

CAS:10588-01-9

RTECS #:HX7700000

= Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:0.05 MG/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 50 MG/KG

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: KIDNEYS, HEART,

RESPIRATORY SYSTEM. EYE: MAY CAUSE SEVERE IRRITATION AND POSSIBLE

EYE BURNS. SKIN: CAUSES BURNS.

MAY CAUSE SKIN SENSITIZATION, AN

ALLERGIC REACTION, WHICH BECOMES EVIDENCE UPON RE-EXPOSURE TO THIS MATERIAL. MAY BE ABSORBED THROUGH THE SKIN. INGESTION: MAY CAUSE GASTROINTESTINAL TRACT BURNS, KIDNEY DAMAGE. INHALATION: CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ULCERATION AND PERFORATION OF THE NASAL SEPTUM. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. OVEREXPOSURE MAY LEAD TO ASTHMA, PERFORATION OF THE NASAL SEPTUM. MAY CAUSE RESPIRATORY TRACT CANCER.

Explanation of Carcinogenicity:ACGIH: CERTAIN WATER INSOLUBLE SALTS, AS CR: A1-CONFIRMED HUMAN CARCINOGEN.

Effects of Overexposure:EYE: MAY CAUSE SEVERE IRRITATION AND POSSIBLE EYE BURNS. SKIN: CAUSES BURNS. MAY CAUSE SKIN SENSITIZATION, AN ALLERGIC REACTION. INGESTION: MAY CAUSE GASTROINTESTINAL TRACT BURNS. INHALATION: CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ULCERATION AND PERFORATION OF THE NASAL SEPTUM.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL AID IMMEDIATELY. SKIN: GET MEDICAL AID IMMEDIATELY. FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID.

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

Flash Point:NOT AVAILABLE

Autoignition Temp:Autoignition Temp Text:N/AV

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:USE WATER ONLY.

Fire Fighting Procedures:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PR

EVENT

CONTACT WITH SKIN AND EYES. WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) TO PREVENT CONTACT WITH THERMAL DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE A FIRE.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN PERSONAL PROTECTION SECTION. VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A SUITABLE DISPOSAL CONTAINER. DO NOT FLUSH INTO A SEWER. AVOID GENERATING DUSTY CONDITIONS.
Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:DO NOT STORE NEAR COMBUSTIBLE MATERIALS. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES.
Other Precautions:USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOID CONTACT WITH CLOTHING AND OTHER COMBUSTIBLE MATERIALS. DO NOT INGEST OR INHALE.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR 1910.134. ALWAYS USE A NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.
Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMIT.
Protective Gloves:WEAR APPROPRIATE GLOVES TO PREVENT SKIN EXPOSURE.
Eye Protection:WEAR SAFETY GLASSES AND CHEMICAL SPLASH GOGGLES IF SPLASHING IS POSSIBLE.
Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.
Work Hygienic Practices:NOT PROVIDED
Supplemental Safety and Health
NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ANTIDOTE: VITAMIN C TAKEN ORALLY OR SKIN APPLICATION ARE GENERALLY SAFE REDUCING AGENTS.

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

HCC:T4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt.=400.C, 75

2.F
Melt/Freeze Pt:=353.9C, 669.F
Decomp Temp:=400.C, 752.F
Spec Gravity:2.52
pH:NOT AVAILABLE
Solubility in Water:SOLUBLE IN WATER.
Appearance and Odor:SOLID. ORANGE TO RED CRYSTALS. ODORLESS.
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS, ETHANOL+SULFURIC ACID+HEAT, HYDRAZINE, BORON+SILICON,
ORGANIC RESIDUES+ SULFURIC ACID,2-PROPANOL+SULFURIC ACID,SULFURIC
ACID+TNT,AND HYDROXYLAMINE
. EXPLOSIVELY REACTS WITH ACETIC
ANHYDRIDE.
Stability Condition to Avoid:INCOMPATIBLE MATERIALS, COMBUSTIBLE
MATERIALS, REDUCING AGENTS.
Hazardous Decomposition Products:NOT APPLICABLE.

===== Toxicological Information =====

Toxicological Information:LD50/LC50: OARAL RAT: 50 MG/KG. EPIDEMIOLOGY:
INCREASED INCIDENCES OF RESPIRATORY CANCER HAS BEEN FOUND IN
CHROMIUM (VI) WORKERS. TERATOGENCITY: NO INFORMATION FOUND.
REPRODUCTIVE EFFECTS: NO INFOR
MA TION FOUND. NEUROTOXICITY: NO
INFORMATION FOUND. MUTAGENICITY: MUTATION DATA REPORTED. OTHER
STUDIES: NO INFORMATION FOUND.

===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH LOCAL,
STATE AND FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:U

S DOT: SHIPPING NAME: TOXIC SOLID, INORGANIC,
N.O.S. (SODIUM DICHROMATE DIHYDRATE). HAZARD CLASS: 6.1. UN NUMBER:
UN3288 RQ. PACKING GROUP: III. IMO: SHIPPING NAME: TOXIC SOLID,
INORGANIC, N.O.S. HAZARD CLASS: 6.1. UN NUMBER: UN3288 RQ.
PACKING GROUP: III. ICAO: SHIPPING NAME: TOXIC SOLID, INORGANIC,
N.O.S. (SODIUM DICHROMATE DIHYDRATE). HAZARD CLASS: 6.1. UN NUMBER:
UN3288 RQ. PACKING GROUP: III. RQ (REPORTABLE QUANTITY): 10 LBS.

=====
Regulatory I
nformation =====

SARA Title III Information:SECTION 302 (RQ): NONE OF THE CHEMICALS IN
THIS MATERIAL HAVE AN RQ. SECTION 302 (TPQ): NONE OF THE CHEMICALS
IN THIS PRODUCT HAVE A TPQ. SARA CODES: CAS # 10588-01-9: ACUTE,
CHRONIC, FLAMMABLE. SECTION 313: NO CHEMICALS ARE REPORTABLE UNDER
SECTION 313.

Federal Regulatory Information:CAS # 10588-01-9 IS NOT ON THE TSCA
INVENTORY.

State Regulatory Information:NOT PROVIDED

=====
Other Informatio
n =====

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.