

CARUS CHEMICAL CO INC -- CAIROX POTASSIUM PERMANGANATE -- 6810-00-264-6620  
===== Product Identification =====

Product ID:CAIROX POTASSIUM PERMANGANATE

MSDS Date:05/01/1992

FSC:6810

NIIN:00-264-6620

MSDS Number: BDQTD

=== Responsible Party ===

Company Name:CARUS CHEMICAL CO INC

Address:1500 8TH ST

Box:1500

City:LASALLE

State:IL

ZIP:61301

Country:US

Info Phone Num:800-435-6856/815-433-9070

Emergency

Phone Num:800-435-6856/800-424-9300(CHEMTREC)

Preparer's Name:HORST R. ADOLF

CAGE:9C265

=== Contractor Identification ===

Company Name:A AND B CHEMICAL AND EQUIPMENT CO

Address:2931 2ND AVE SUITE 100

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-329-3197

CAGE:0F8M0

Company Name:B.L. MITCHELL

CAGE:00CJ6

Company Name:CARUS CHEMICAL CO INC

Address:1375 8TH ST

Box:City:LASALLE

State:IL

ZIP:61301-1964

Country:US

Phone:815-223-1500

CAGE:9C265

===== Composition/Information on Ing

redients =====

Ingred Name:POTASSIUM PERMANGANATE (SARA III)

CAS:7722-64-7

RTECS #:SD6475000

Fraction by Wt: >97%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG MN/M3;CEILING

ACGIH TLV:5 MG MN/M3; 9192

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50:780MG/KG MALE; 525 FEMALE.

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

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

Health Ha

zards Acute and Chronic:EYES: PRODUCT IS CORROSIVE TO EYE

TISSUE AND MAY CAUSE SEVERE BURNS WITH DAMAGE. INHALATION: AS AIRBORNE DUST OR MIST MAY IRRITATE AND DAMAGE THE RESPIRATORY TRACT. SKIN: SOLUTIONS AND CRYSTALS MAY BE CORROSIVE TO THE SKIN. INGESTION: MAY CAUSE SEVERE BURNS TO MUCUS MEMBRANES OF THE MOUTH, THROAT, ESOPHAGUS AND STOMACH.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT

CARCINOGENS.

Effects of Overexposure:EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

PROLONGED EXPOSURE, MANY YEARS, TO HEAVY CONCENTRATIONS OF DUST AND FUMES ABOVE THE TLV'S, MAINLY AS MANGANESE OXIDES, MAY CAUSE LUNG IRRITATION AND CENTRAL NERVOUS SYSTEM DISORDER. THE SYMPTOMS MAY SIMULATE PARKINSON'S DISEASE. NO KNOWN CASES FOR POTASSIUM PERMANGANATE.

Medical Cond Aggravated by Exposure:PRODUCT WILL CAUSE FURTHER IRRITATION OF TISSUE OR OPEN WOUNDS, BURNS AND MUCUS MEMBRANES.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION IS SEVERE. IN HALATION: REMOVE TO FRESH AIR. GIVE CPRIF NOT BREATHING. GIVE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. INGESTION: IF CONCIOUS, GIVE LARGE AMOUNTS OF WATER. GET MEDICAL

ATTENTION.

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

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:USE LARGE QUANTITIES OF WATER.

Fire Fighting Procedures:WATCH FOR RAPID BURNING AND BE PREPARED TO RETREAT TO A SAFE DISTANCE. IF YELLOW, WHITE OR BROWN FUMES ARE PRESENT, WEAR APPROVED SCBA AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:POWERFUL OXIDIZING MATERIAL. MAY DECOMPOSE SPONTANEOUSLY IF EXPOSED TO INTENSE HEAT (302F). MAY BE EXPLOSIVE IN CONTACT WITH SOME OTHER CHEMICALS.

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

Spill Release Procedures:SWEEP UP SPILLS AND PLACE IN CLEAN METAL DRUM. FLUSH FLOOR WITH LARGE AMOUNT OF WATER TO SEWER IF PERMITTED. IF NOT, TREAT WATER AS THE SOLID.

Neutralizing Agent:REDUCER:SODIUM THIOSULFATE, A BISULFITE OR FERROUS SALT. PH:SODIUM BICARBONATE.

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

Handling and S

torage Precautions:STORE IN A COOL, DRY AREA IN CLOSED CONTAINERS. SEGRAGATE FROM ACIDS, PEROXIDES, AND ALL COMBUSTABLE, ORGANIC OR EASILY OXIDIZABLE MATERIALS.

Other Precautions:PROTECT CONTAINERS FROM DAMAGE.

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

Respiratory Protection:IN THE CASE WHERE OVEREXPOSURE MAY EXIST, WEAR A NIOSH/MSHA APPROVED DUST AND MIST RESPIRATOR OR AN AIR SUPPLIED RESPIRATOR.

Ventilation:LOCAL AND MECHANICAL(GENERAL) EXHAUST SUFFICIENT TO KEEP EXPOSURE BELOW PEL.

Protective Gloves:RUBBER OR PLASTIC GLOVES SHOULD BE WORN.

Eye Protection:FACE SHIELD OR GOGGLES SHOULD BE WORN.

Other Protective Equipment:WEAR NORMAL WORK CLOTHSING COVERING ARMS AND LEGS AND RUBBER APRON.

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

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical P

roperties =====

HCC:D1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:302F,150C

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:2.7

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:6% @ 69F; 20% @ 149F

Appearance and Odor:DARK PURPLE SOLID WITH A METALIC LUSTER, ODORLESS.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:

YES

CONTACT WITH ACIDS, PEROXIDES, ALL COMBUSTABLE ORGANIC MATERIALS, ALL READILY OXIDIZABLE MATERIALS AND METAL POWDERS.

Stability Condition to Avoid:AVOID CONTACT WITH INCOMPATABLE MATERIALS OR HEAT >302F(150C). DO NOT MIX WITH FORMALDEHYDE.

Hazardous Decomposition Products:CORROSIVE FUMES OR SMOKE MAY BE FORMED. CONTACT WITH HYDROCHLORIC ACID WILL LIBERATE CHLORINE GAS.

Conditions to Avoid Polymerization:MATERIAL IS NOT KNOWN TO POLYMEERIZE

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. D001 WASTE BANNED FROM LANDFILLS. DISOLVE AND REDUCE SOLUTION. NEUTRALIZE TO PROPER PH. REMOVE SOLIDS FOR LAND DISPOSAL. LIQUID IS NOW NOT HAZAR DOUS.

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