

HCI USA DISTRIBUTION COMPANIES -- 02216, POTASSIUM PERMANGANATE -- 6810-00-264-6620
===== Product Identification =====

Product ID:02216, POTASSIUM PERMANGANATE
MSDS Date:06/25/1999
FSC:6810
NIIN:00-264-6620
Status Code:A
MSDS Number: CKWSW
=== Responsible Party ===
Company Name:HCI USA DISTRIBUTION COMPANIES
City:ST. LOUIS
State:MO
ZIP:63111
Country:US
Info Phone Num:314-353-6500
Emergency Phone Num:800-424-9300
Preparer's Name:NOT PROVIDED
Chemtrec Ind/Phone:(800)424-9300
CAGE:UO157
=== Contractor Identification ===
Company Name:ALLIANCE CHEMICAL INC
Address:3 OAKMOOR
Box:79
City:ROUND ROCK
State:TX
ZIP:78680
Country:US
Phone:512-365-6838
Contract Num:SP0450-01-M-D416
CAGE:1LT50
Company Name:HCI USA DISTRIBUTION COMPANIES
Box:City:ST. LOUIS
State:MO
ZIP:63111
Country:US
Phone:314-353-6500
CAGE:UO157

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

Ingred Name:POTAS

SIUM PERMANGANATE

CAS:7722-64-7

RTECS #:SD6475000

> Wt:97.

Other REC Limits:NOT PROVIDED

OSHA PEL:C5 MG/M3

ACGIH TLV:5 MG/M3

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 1090 MG/KG

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

Health Hazards Acute and Chronic:SKIN: CONTACT WITH SKIN CAN CAUSE

SEVERE IRRITATION OR BURNS. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. EYES: EYE

CONTACT MAY CAUSE REDNESS, PAIN, BLURRED

VISION, AND EYE DAMAGE. MAY CAUSE CONJUNCTIVITIS. EYE CONTACT CAUSES SEVERE PAIN, BURNS, AND CORNEAL CLOUDING. CATARACTS MAY FORM AS A DELAYED EFFECT. INGESTION: CAUSES SEVERE BURNS TO THE MOUTH, THROAT, AND DIGESTIVE TRACT, ALONG WITH NAUSEA AND VOMITING.

INGESTION CAN CAUSE SEVERE ABDOMINAL DISTRESS AND MAY BE FATAL.

INHALATION: MAY CAUSE SORE THROAT, DIFFICULTY BREATHING, ASTHMA, OR LUNG CONGESTION. INHALATION OF THIS PRODUCT

MAY BE FATAL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN: CONTACT WITH SKIN CAN CAUSE SEVERE

IRRITATION OR BURNS. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. EYES: EYE CONTACT MAY CAUSE REDNESS, PAIN, BLURRED VISION, AND EYE DAMAGE. MAY CAUSE CONJUNCTIVITIS. EYE CONTACT CAUSES SEVERE PAIN, BURNS, AND CORNEAL CLOUDING. CATARACTS MAY FORM AS A DELAYED EFFECT. INGESTION: CAUSES SEVERE BURNS TO THE MOUTH, THROAT, AND DIGESTIVE TRACT, ALONG WITH

NAUSEA AND VOMITING.

INGESTION CAN CAUSE SEVERE ABDOMINAL DISTRESS. INHALATION: MAY CAUSE SORE THROAT, DIFFICULTY BREATHING, ASTHMA, OR LUNG CONGESTION.

Medical Condition Aggravated by Exposure:NO DATA AVAILABLE.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH EXPOSED AREAS WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION PERSISTS.

EYE: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE

ATE

MEDICAL ATTENTION. INGESTION: CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER OR MILK. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALTION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN FOR BREATHIKNG DIFFICULTY. GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: NO DATA AVAILABLE.

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

Extinguishing Media:USE WATER ONLY, NO DRY CHEMICAL OR FOAM.

Fire Fighting Procedures:COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PROTECTIVE CLOTHING WHEN FIGHTING CHEMICAL FIRES. DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.

Unusual Fire/Explosion Hazard:SEVERE EXPLOSION HAZARD. OXIDIZER. RELEASES OXYGEN WHEN HEATED AND INCREASES THE BURNING RATE OF COMBUSTIBLE MATERIALS. MAY IGNITE OR EXPLODE ON CONTACT WITH COMBUSTIBEL MATERIALS. CLOSED CONTAINERS M AY BUILD UP PRESSURE AND RUPTURE IF EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures:SMALL SPILLS: CONTAIN SPILL AND VENTILATE AREA. SWEEP UP AND CONTAINERIZE FOR DISPOSAL. AFTER REMOVAL, FLUSH CONTAMINATED AREA THOROUGHLY WITH A WATER SPRAY. LARGE SPILLS: PERMIT ONLY TRAINED PERSONNE L WEARING FULL PROTECTIVE EQUIPMENT TO

ENTER THE SPILL AREA. COLLECT THE SPILL IN A WASTE CONTAINER OR REMOVE WITH A VACUUM TRUCK. PREVENT SPILL FROM ENTERING NATURAL WATERCOURSES.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:STORE IN WELL VENTILATED AREAS AND AT MODERATE TEMPERATURES. KEEP SEPERATED FROM FOOD PRODUCTS. KEEP CONTAINER CLOSED WHEN NOT IN USE. THIS MATERIAL SHOULD BE STORED IN A DRY, COOL PLACE. PROTECT AGAI NS

T PHYSICAL DAMAGE.

Other Precautions:AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID BREATHING PRODUCT DUST. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING THIS MATERIAL. USE THIS MATERIAL ONLY WITH ADEQUATE VENTILATION. THE EM PTY CONTAINER IS HAZARDOUS.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED LIMITS, WEAR A NIOSH APPROVED RESPIRATO

R FOR DUSTS AND MISTS.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EMERGENCY SHOWERS, EYE WASH STATION, AND FIRE BLANKETS SHOULD BE ACCESSIBLE. WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE.

N/K=UNKNOWN. N/P=NOT

PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT

ESTABLISHED. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:=240.C, 464.F

Decomp Temp:Decomp Text:NOT PROVIDED

Spec Gravity:2.7@15C

pH:NOT PROVIDED

Solubility in Water:6.4%@20C

Appearance a

nd Odor:SOLID, DARK PURPLE OR BRONZE CRYSTALS; ODORLESS

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

ACIDS, COMBUSTIBLE MATERIALS, HALOGENS, METALS, METAL OXIDES, OXIDIZING MATERIALS, ORGANIC MATERIALS, METAL CARBIDES, NITRATES, AMINES, ALDEHYDES; REDUCING AGENTS.

Stability Condition to Avoid:EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED.

Hazardous Decomposition Products:METAL OXIDES,

OXYGEN, OXIDES OF
POTASSIUM, MANGANESE FUMES.

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

Toxicological Information:LD50: 1090 MG/KG ORAL-RAT; LD50: 2157 MG/KG
ORAL-MOUSE; LD50: 1151 MG/KG ORAL-GUINEA PIG

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

Ecological:FISH TOXICITY: LC50: 513.4 UG/L 96 HOURS (MORTALITY)
MILKFISH, SALMON-HERRING (CHANOS CHANOS); INVERTEBRATE TOXICITY:
LC50: 540 UG/L 2 HOURS (MORTALITY) WATER FLEA (DAPHNIA
MAGNA);
ALGAL TOXICITY: 140 0 UG/L 28 WEEKS (POPULATION GROWTH) DIATOM
(NITZSCHIA SP); ENVIRONMENTAL SUMMARY: HIGHLY TOXIC TO AQUATIC
LIFE.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO FEDERAL, STATE OR LOCAL LAWS. STATE AND LOCAL REGULATIONS AND
RESTRICTIONS ARE COMPLEX AND MAY DIFFER FROM FEDERAL DISPOSAL
REGULATION. THE INFORMATION OFFERED HERE IS FOR THE PRODUCT AS
SHIPPED.

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

Transport Information:D.O.T. SHIPPING NAME: POTASSIUM PERMANGANATE.
D.O.T. HAZARD CLASS: 5.1 - OXIDIZING SUBSTANCES (AGENTS). DOT ID
NUMBER: UN 1490. DOT PACKING GROUP: I I. DOT RQ (LBS): 100. OTHER:
LABELS REQUIRED: OXIDIZER. IMDG HAZARD CLASS: 5.1 - OXIDIZING
SUBSTANCES (AGENTS). ICAO HAZARD CLASS: 5.1 - OXIDIZING SUBSTANCES
OR AGENTS.

===== Regulatory Information =====
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SARA Title III Information:SARA TITLE III (SUPERFUND AMENDMENTS AND
REAUTHORIZATION ACT): POTASSIUM PERMANGANATE (7722-64-7) SECTION
313: Y. SECTION 302: N. SECTION 311/312 HAZARD CLASS: FIRE HAZARD,
IMMEDIATE HEALTH HAZARD.

Federal Regulatory Information:TSCA (TOXIC SUBSTANCES CONTROL ACT):
YES. USE AND/OR ALTERATIONS MAY SIGNIFICANTLY CHANGE THE
CHARACTERISTICS OF THE MATERIAL AND ALTER THE RCRA CLASSIFICATION
AND THE PROPER DISPOSAL METHOD.

State Regulator

y Information:THIS PRODUCT DOES NOT CONTAIN ANY
CHEMICALS REPORTABLE UNDER CALIFORNIA PROPOSITION 65. MASSACHUSETTS
SUBSTANCE LIST: POTASSIUM PERMANGANATE. NEW JERSEY SUBSTANCE LIST:
POTASSIUM PERMANGANATE. PENNSYLVANIA HAZARDOUS SUBSTANCE LIST -
POTASSIUM PERMANGANATE.

===== Other Information =====

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