

ALDRICH CHEMICAL CO INC -- POTASSIUM FERRICYANIDE, 99% -- 6810-00-957-7935

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Product Identification
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Product ID:POTASSIUM FERRICYANIDE, 99%

MSDS Date:12/11/1992

FSC:6810

NIIN:00-957-7935

MSDS Number: BVNFV

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC

Box:355

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-273-3850

Emergency Phone Num:414-273-3850

CAGE:60

928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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Composition/Information on Ingredients
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Ingred Name:FERRATE(3-), HEXACYANO-, TRIPOTASSIUM; (POTASSIUM
FERRICYANIDE)

CAS:13746-66-2

RTECS #:LJ8225000

Fraction by Wt: 99%+

OSHA PEL:N/K

ACGIH TLV:N/K

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Hazards Identification
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LD50 LC

50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:MAY BE HARMFUL BY INHALATION,
INGESTION OR SKIN ABSORPTION. MAY CAUSE IRRITATION. TO THE BEST OF
MANUFACTURER'S KNOWLEDGE, THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL
PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND
COPIOUS AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT
BREATHIN G GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,
GIVE OXYGEN. INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON
IS CO
NSCIOUS. CALL MD. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE
TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR N
IOSH/MSHA APPROVED RESPIRATOR, CHEMICAL
SAFETY GOGGLES, RUBBER BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE
IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE
AREA AND WASH SPIL L SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:HARMFUL SOLID. KEEP TIGHTLY CLOSED.
LIGHT SENSITIVE. AVOID CONTACT WITH ACID. STORE IN A COOL

, DRY
PLACE.

Other Precautions:AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN
AND CLOTHING.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR IN NONVENTILATED
AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV.

Ventilation:MECHANICAL EXHAUST REQUIRED.

Protective Gloves:RUBBER GLOVES.

Eye Protection:ANSI APPROVED CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:SAFETY SHOWER AND EYE BATH.

Work Hygienic Practi

ces:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

WASTE DISP METH: SOLIDS FOR BURIAL IN CHEM LANDFILL. PRECIPITATE ANY
HEAVY METALS BY ADDN OF SULFIDE & ISOLATE FOR BURIAL. ADDNL
EQUIVALENTS OF HYPOCHLORITE MAY BE NEEDED IF METAL CAN BE OXIDIZED
TO H IGH ER VALENCE STATE. FOR METAL CARBONYLS, RXN SHOULD BE
CARRIED OUT UNDER NITROGEN. OBSERVE ALL FED, STATE & LOC REGS.

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

Spec Gravity:1.890

Appeara

n ce and Odor:ORANGE CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:MAY DISCOLOR ON EXPOSURE TO LIGHT.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
NITROGEN OXIDES, HYDROGEN CYANIDE.

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

Waste Disposal Methods:TREAT A DILUTE BASIC SOLN (PH 10-11) OF MATL
W/50% E

XCESS OF COMMERCIAL LAUNDRY BLEACH. CTL TEMP BY ADDN RATE OF BLEACH & ADJUST PH IF NEC. LET STAND OVERNIGHT. CAUTIOUSLY ADJUST SOLN TO PH 7. VIGOROU S EVOLUTION OF GAS MAY OCCUR. FILTER ANY (SUPDAT)

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