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SHIPPING/RECEIVING DOCK

CUST#: 938609

PAGE

PO#: 65209

MATERIAL SAFETY SHEET

IDENTIFICATION

PRODUCT #: 25559-9 CAS #:7791-13-1 MF: CL2CO

NAME: COBALT(II) CHLORIDE HEXAHYDRATE. 98%.

A.C.S. REAGENT

SYNONYMS

COBALT CHLORIDE, HEXAHYDRATE (8CI,9CI) \* COBALT DICHLORIDE HEXAHYDRATE \* COBALTOUS CHLORIDE, HEXAHYDRATE \*

---- TOXICITY HAZARDS ---

RTECS NO: GGO200000

COBALT(II) CHLORIDE, HEXAHYDRATE
TOXICITY DATA

DRL-RAT LD50:766 MG/KG

FCTOD7 20,311,82 32,315,72 24,235,69

IPR-RAT LD50:35 MG/KG
IPR-MUS LD50:90 MG/KG
IVN-GPG LD50:26 MG/KG
REVIEWS, STANDARDS, AND REGULATIONS
NOES 1983: HZD X4499; NIS 2; TNF 96; NOS 2; TNE 346; TFE 34

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SET ORGAN DATA

BEHAVIORAL (TREMOR)

GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)

NUTRITIONAL AND GROSS METABOLIC (WEIGHT LOSS OR DECREASED WEIGHT GAIN)

ADDITIONAL INFORMATION

ACIGH TLV-TWA: 0.05MG/M3. AS COBALT.

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

---- HEALTH HAZARD DATA ----

ACUTE

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN
SENSITIVE INDIVIDUALS.
DNIC EFFECTS
BLOOD EFFECTS
LABORATORY EXPERIMENTS HAVE SHOWN MUTAGENIC EFFECTS.

CHRONIC

FIRST AID

E OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS S OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED NG AND SHOES. ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS AMOUNTS WITH FINGERS. INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL SPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. RESPIRATION. IF B

REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

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rich Chimica S.r.I. Pietro Toselli, 4

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---- HEALTH HAZARD DATA ----

ADDITIONAL INFORMATION
LARGE AMOUNTS OF COBALT(II) CHLORIDE DEPRESS ERYTHROCYTE PRODUCTION
WHICH MAY LEAD TO DEATH IN CHILDREN.

---- PHYSICAL DATA ---

SPECIFIC GRAVITY: 1.920 APPEARANCE AND ODOR
PURPLE AND RED CRYSTALS

----- FIRE AND EXPLOSION HAZARD DATA --

EXTINGUISHING MEDIA
NONCOMBUSTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

IAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
JAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----- REACTIVITY DATA --

INCOMPATIBILITIES MOISTURE

OXIDIZING AGENTS
ALKALI METALS
ABSORBS NH3 FROM AIR.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
HYDROGEN CHLORIDE GAS

----- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
WEAR SELF-CONTAINED BREATHING APPARATUS. RUBBER BOOTS AND HEAVY RUBBER GLOVES.
WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

IE DISPOSAL METHOD

THE MATERIAL SHOULD BE DISSOLVED IN 1) WATER; 2) ACID SOLUTION OR 3)

OXIDIZED TO A WATER-SOLUBLE STATE. PRECIPITATE THE MATERIAL AS THE SULFIDE. ADJUSTING THE PH OF THE SOLUTION TO 7 TO COMPLETE PRECIPITATION. FILTER THE INSOLUBLES AND DISPOSE OF THEM IN A HAZARDOUS—WASTE SITE. DESTROY ANY EXCESS SULFIDE WITH SODIUM HYPOCHLORITE.

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----- SPILL OR LEAK PROCEDURES -----

NEUTRALIZE THE SOLUTION BEFORE FLUSHING DOWN THE DRAIN. OBSERVE ALL FEDERAL. STATE. AND LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE --

CHEMICAL SAFETY GOGGLES.
LONG RUBBER OR NEOPRENE GAUNTLET GLOVES.
USE ONLY IN A CHEMICAL FUME HOOD.
NIOSH/MSHA-APPROVED RESPIRATOR IN NONVENTILLATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV.
SAFETY SHOWER AND EYE BATH.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
DO NOT USE IF SKIN IS CUT OR SCRATCHED. WASH THOROUGHLY AFTER HANDLING. TOXIC.
IRRITANT.
POSSIBLE SENSITIZER.
POSSIBLE MUTAGEN.
KEEP TIGHTLY CLOSED.
HYGROSCOPIC STORE IN A COOL DRY PLACE.
REGULATORY INFORMATION

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

---- ADDITIONAL PRECAUTIONS AND COMMENTS -----

ADDITIONAL INFORMATION MIXTURES OF POTASSIUM AND SODIUM WITH COBALT(II) CHLORIDE ARE SHOCK-SENSITIVE.

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