

ANACHEMIA CHEMICALS INC -- POTASSIUM CHROMATE, AC-7607 -- 6810-00-985-7092

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Product Identification
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Product ID:POTASSIUM CHROMATE, AC-7607

MSDS Date:04/24/1995

FSC:6810

NIIN:00-985-7092

MSDS Number: CGZLH

=== Responsible Party ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

City:ROUSES PARK

State:NY

ZIP:12979

Country:US

Info Phone Num:518-297-5711

Emergency Phone Num:800

-424-9300(CHEMTREC)

CAGE:4A444

=== Contractor Identification ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

Box:City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Phone:518-297-4444

CAGE:4A444

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Composition/Information on Ingredients
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Ingred Name:CHROMIC ACID, DIPOTASSIUM SALT; (POTASSIUM CHROMATE) (SARA
313) (CERCLA) LD50: (ORAL, MOUSE) 180 MG/KG

CAS:7789-00-6

RTECS #:GB2940000

Fraction by Wt: 90-100%

OSHA PEL:0.1 MG/M3 (CRO3), C

ACGIH TLV:0.5 MG/

M3 (CR)
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Inged Name:SUPDAT: KIDNEY & LUNG DMG. INGEST:MOUTH, PHARYNX & GI TRACT
BURNS (POSS SEV TISS DESTRUCTION). POSS VOMIT, NAUS, (ING 3)
RTECS #:9999999ZZ

Inged Name:ING 2:ABDOM PAIN, DIARR, COMA, BLEEDING &/OR TISS ULCERS,
GASTROENTRITIS, TOX NEPHRITIS, BLOOD & BONE MARROW DMG,(ING 4)
RTECS #:9999999ZZ

Inged Name:ING 3: LIVER & KIDNEY FAILURE, PERIPHERAL VASCULAR COLLAPSE
& DEATH. CHRONIC:DERM, CONJ, CHROME SORES, ULCERS & (ING 5)
RTECS
#:9999999ZZ

Inged Name:ING 4:PERFORATION OF NASAL SEPTUM, CHRONIC BRONCH,
BRONCHOPNEUM, PNEUMOCONIOSIS, RHINITIS, EMPHYSEMA, GI DISTURB.(ING
6)
RTECS #:9999999ZZ

Inged Name:ING 5: ALLERGIC RXNS IN CERTAIN PERS ONCE SENSITIZED AFTER
EXPOS TO EVEN SM AMTS OVER PERIOD OF TIME. CHROMIUM (ING 7)
RTECS #:9999999ZZ

Inged Name:ING 6: CMPDS IN FORM OF CHROMATES & DICHROMATES MUTAGENIC
IN BACTERIAL & MAMMALIAN CELLS. PASSES THRU PLACENTAL (ING 8)
RTECS #:9999999ZZ

Inged Name:ING 7
: BARRIER IN ANIMAL. TO THE BEST OF MFR'S KNOWLEDGE,
CHEM, PHYSICAL & TOXICITY HAS NOT BEEN FULLY INVESTIGATED.
RTECS #:9999999ZZ

Inged Name:FIRST AID: INHAL:REMOVE TO FRESH AIR. ADMIN O*2 IF BRTHG
DFCLT; ARTF RESP/CPR IF BRTHG CEASED. SEEK IMMED MED (ING 10)
RTECS #:9999999ZZ

Inged Name:ING 9: ATTN. INGEST:IF CONSCIOUS, WASH OUT MOUTH W/WATER;
DRINK SEVERAL GLASSES OF WATER TO DILUTE. INDUCE VOMIT(ING 11)
RTECS #:9999999ZZ

Inged Name:ING 10: BY GIVING IPECAC SYRUP OR PLACE FIN

GER AT BACK OF
THROAT. ONLY INDUCE VOMIT BY DIRECTION OF MD/POIS CTL (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11: CTR. SEEK IMMED MED ATTN. NEVER GIVE ANYTHING BY
MOUTH IF UNCON/CONVULSING. NOTE TO MD:MASSIVE OVEREXP (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:TO SOLNS OF PROD COULD LEAD TO KIDNEY FAILURE &
DEATH. DEATH HAS BEEN AVOIDED IN SEVERAL SUCH CASES THRU (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13: USE OF EARLY RENAL DIALYSIS. REPORTED THERE IS
LITTLE VALUE FROM
CHELATING AGENTS, HOWEVER, THAT ASCORBIC(ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 14: ACID ADMIN IV IS EFTIVE ANTIDOTE TO PVNT RENAL
FAILURE. SKIN ULCERS MAY BE TREATED BY REMOVAL FROM (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15: EXPOS, DAILY CLEANSING & DEBRIDEMENT & APPLICATION
OF ANTIBIOTIC CREAM & DRESSING.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: EMPTY INTO DRAINS. DO NOT TOUCH SPILLED MATL.
AVOID CNTCT W/COMBUST MATL (WOOD, PAPER, OIL, CLTHG...)
RTECS #:9999999ZZ

Ingre
d Name:HNDLG/STOR: CNTNR. DO NOT WASH DOWN DRAIN. DO NOT BREATHE
DUST. IF INSUFFICIENT VENT, WEAR NIOSH APPRVD RESP. (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18: KEEP AWAY FROM COMBUSTS, DIRECT SUNLIGHT/STRONG
INCANDESCENT LIGHT. KEEP CNTNR TIGHTLY CLSD & DRY. (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19: MANIPULATE UNDER ADEQ FUME HOOD. AVOID RAISING
DUST. USE NON-SPKG TOOLS. EMPTY CNTNRS MAY RETAIN HAZ (ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20: RESIDUE. HNDL & OPEN CNTNR

W/CARE. MIN DUST

GENERATION & EXPOS-USE APPROP PROT. IMMEDIATE REMOVE CONTAMINATED (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21: CLTHG. PROD MUST BE MANIPULATED BY QUALIFIED PERS.
I/A/W GOOD STOR & HNDLG PRACTS. PROD IS HIGHLY HYGROSCOPIC.
RTECS #:9999999ZZ

Ingred Name:OTHER PRECS: MIXS. ONLY QUALIFIED PERSON SHOULD OPEN CNTNR.
HARMFUL TO AQUATIC LIFE AT VERY LOW CONCS. CAN BE (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23: DANGEROUS IF ENTERS DRINKING WATER INTAKES. DO NOT
CONTAMINATE
STIC/IRRIGATION WATER SUPPLY, LAKES, STREAMS, ETC.
RTECS #:9999999ZZ

Ingred Name:EYE PROT: & FULL LENGTH FACESHIELD . DO NOT WEAR CONTACT
LENSES.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENT 1

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

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

Health Hazards Acute and Chronic:ACUTE: MAY BE FATAL BY
INGEST/INHAL/SKIN ABSORPTION. SEV IRRITANT! 30 MG/M
3 IS IDLH.

POTENTIALLY HARMFUL AMTS CAN CAUSE DMG TO KIDNEYS, LIVER, BLOOD, LUNGS,
EYES, SKIN, RESP SYS &/OR BONE MARROW. EYE:CONJ , SEV IRRIT/BURNS &
VISION LOSS. POSS PERM DMG. SKIN:SEV IRRIT & BLISTERS ON CNTCT.
PRLNGD EXPOS MAY (EFTS OF OVEREXP)

Explanation of Carcinogenicity:POTASSIUM CHROMATE:IARC MONOGRAPHS, VOL
49, PG 49, 1990:GROUP 1. NTP 7TH ANNUAL RPT ON CARCINS, 1994:KNOWN
TO BE CARCIN.

Effects of Overexposure:HLTH HAZ:RSLT IN BURNS & ULCERS. CNTCT W/BROKEN
SK

IN MAY LEAD TO "CHROME SORES." MASS OVEREXP COULD LEAD TO KIDNEY,
LIVER, BLOOD &/OR BONE MARROW DMG, KIDNEY FAILURE & DEATH. STRONG
SENSITIZER; POSS R ASH. INHAL:DUST/MIST MAY IRRIT NASAL SEPTUM &
RESP TRACT. DESTRUCTIVE TO MUC MEMB TISS. ULCERS & PERFORATION OF
(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:IMMEDIATE FLUSH W/COPIOUS QTY'S OF WATER FOR AT LEAST 15 MIN

HOLDING LIDS APART TO ENSURE FLUSHING OF ENTIRE SURF. WASHING W/IN 1 MIN IS ESSENTIAL FOR MAX EFFECTIVENESS. SEEK IMMEDIATE MED ATTENTION. SKIN:IMMEDIATE FLUSH WITH PLENTY OF WATER & SOAP FOR AT LEAST 15 MIN WHILE REMOVING CONTAMINATED CLOTHING & SHOES. SEEK IMMEDIATE MED ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING. DISCARD CONTAMINATED LEATHER ARTICLES SUCH AS SHOES & BELT. (ING 9)

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

Flash Point:NONE

Extinguishing Media:OXIDES OF CHROMIUM AND POTASSIUM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT. USE FLOODING QUANTITIES OF WATER. COOL CONTAINING VESSELS WITH FLOODING QUANTITIES OF WATER UNTIL WELL AFTER FIRE IS SUPPRESSED

Unusual Fire/Explosion Hazard:POWERFUL OXIDIZING AGENT; MAY IGNITE OXIDIZABLE MATERIALS. CONTRIBUTES TO COMBUSTION OF OTHER MATERIALS. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE &/OR EXPLOSION. CONTAINER EXPLOSION (SUPPLEMENTAL DATA)

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

Spill Release Procedures:WEAR NIOSH APPROVED SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. FULL SUIT. EVACUATE AREA. ELIMINATE IGNITION SOURCES. SWEEP UP & PLACE IN CONTAINER FOR DISPOSAL. AVOID RAISING DUST. USE NON-SPARKING TOOLS. VENT & WASH SPILL AREA AFTER MATERIAL PICK UP IS COMPLETE. DO NOT (ING 17)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL PLACE AWAY FROM HEATED AREAS, SPARKS & FLAME. STORE IN WELL VENTED AREA, AWAY FROM INCOMPATIBLE MATERIALS. DO NOT ADD ANY OTHER MATERIAL TO (ING 18)

Other Precautions:POWERFUL OXIDIZING AGENT; MAY IGNITE OXIDIZABLE MATERIALS. HIGHLY TOXIC! EFFECTS MAY BE DELAYED. AVOID ALL CONTACT WITH PRODUCT. AVOID Prolonged/Repeated Exposures. WHEN CONTAMINATED, IT IS VERY SENSITIVE. CONTACT WITH OTHER MATERIAL MAY FORM SHOCK/HEAT/FRICTION SENSITIVE (ING 23)

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL

L CONTROLS. IF MORE THAN TLV, DO NOT BREATHE VAPOR. WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
Ventilation:USE ONLY IN A CHEMICAL FUME HOOD TO KEEP AIRBORNE LEVELS BELOW RECOMD EXPOS LIMITS. DO NOT USE IN UNVENTILATED SPACES.
Protective Gloves:IMPERVIOUS RUBBER GLOVES.
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS (ING 25)
Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER . APRON, COVERALLS &/OR OTHER RESIST PROT CLTHG SUFFICIENT TO PROTECT SKIN.

Work Hygienic Practices:DO NOT GET IN EYES, ON SKIN/CLTHG. WASH WELL AFTER USE. NO SMKG/FOOD WHILE HNDLG. WEAR CLEAN WORK-CLTHG DAILY.

Supplemental Safety and Health
PH (1% SOLN/WATER): 8.6-9.8 (5%, 25C). FIRE FIGHT PROC: OUT. MOVE VESSELS FROM FIRE IF W/OUT RISK. EXPLO HAZ: MAY OCCUR UNDER FIRE CNDTNS/WHEN HEATED. EMITS TOX FUMES UNDER FIRE CNDTNS. EFTS OF OVEREX P: NASAL SEPTUM W/PRLNGD/RPTD EXPOS. POSS HDCH, NAUS, VOMIT, CHEM PNEUMIT & PULM EDEMA. SENSIT. POSS LIVER, (ING 2

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

HCC:B3
Melt/Freeze Pt:M.P/F.P Text:1787F,975C
Vapor Density:6.7
Spec Gravity:2.73 (H*2O=1)
pH:SUPDAT
Solubility in Water:SOLUBLE
Appearance and Odor:YELLOW CRYSTALS; ODORLESS.
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
ACIDS & BASES, REDUCING, COMBUST & ORG MATLS, METALS, ALCOHOLS, OXIDIZING AGENTS. CONTACT NEHC FOR COMPL ETE LIST .
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES, ALL OTHER SOURCES OF IGNITION, CONTAMINATION.
Hazardous Decomposition Products:NOT AVAILABLE.

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

Waste Disposal Methods:ACCORDING TO ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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