

TURNER ENGINEERING, INC. -- CHEMICAL CONVERSION -- 8030-00-811-3723

===== Product Identification =====

Product ID:CHEMICAL CONVERSION

MSDS Date:06/16/1987

FSC:8030

NIIN:00-811-3723

MSDS Number: BJZDL

=== Responsible Party ===

Company Name:TURNER ENGINEERING, INC.

Address:3730 EASTSIDE HIGHWAY

City:STEVENSVILLE

State:MT

ZIP:59870

Country:US

Info Phone Num:406-777-2751

Emergency Phone Num:406-777-27

51

CAGE:4S444

=== Contractor Identification ===

Company Name:STEVEN INDUSTRIES

Address:39 AVENUE C

Box:8

City:BAYONNE

State:NJ

ZIP:07002-3417

Country:US

Phone:201-437-6501

CAGE:33150

Company Name:TURCO PRODUCTS, INC.

Address:7300 BOLSA AVE

Box:6200

City:WESTMINSTER

State:CA

ZIP:92684-3600

Country:US

Phone:614-387-6200

CAGE:0BYN5

Company Name:TURNER ENGINEERING, INC.

Address:3730 EASTSIDE HIGHWAY

City:STEVENSVILLE

State:MT

ZIP:59870

Country:US

Phone:406-777-2751

CAGE:4S444

===== Composi

tion/Information on Ingredients =====

Ingred Name:CHROMIC ACID
CAS:1333-82-0
RTECS #:GB6650000
Fraction by Wt: 52% *
Other REC Limits:HEXAVALENT CHROM CPD
OSHA PEL:C 0.1 MG/M3 CRO
ACGIH TLV:0.05 MG/M3 CR3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES
Explanation of Carcinogenicity:OVEREXPOSURE TO HEXAVALENT CHROME MAY
CAUSE LUNG CANCER RISK.
Effects of Overexposure:EYES:SEVERE IRRIT,CONJUNCTIVITIS,CHEM BURN,PERM
TISSUE DAMAGE/BLINDNESS.SKIN:SEVERE IRRIT,CHEM
BURNS.ULCERATION.CHROMIC ACID IS A SKIN
SENSITIZER.INHALED:ULCERATION/PERFORATION OF NASAL SEPTUM & IRRIT
& DAMAGE TO RESPIRATORY SYSTEM.SYMPTOMS RESEMBLE THOSE OF
ASTHMA.INGESTION:HARMFUL/FATAL.TOXIC EFFECTS MAY BE DELAYED.
Medical Cond Aggravated by Exposure:CHROMIC ACID IS A SYSTEMIC POISON
AFFECTING THE LIVER, KIDNEYS AND GASTROINTESTINAL TRACT. REPEATED
OVEREXPOSURE MAY AGGRAVATE ANY PRE-EXISTING DYSFUNCTION OF THESE
SYSTEMS.

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

First Aid:EYES:IMMED FLUSH W/LOTS OF H2O FOR 15 MIN.HOLD LID APART.GET
MED ATTN.SKIN:WASH W/SOAP/H2O IMMED.IRRIT EVIDENT/BLISTER,GET MED
ATTN.INHALED:REMOVE TO FRESH AIR.GIVE O2 IF BREATH DIFF.GET MED
ATTN.INGESTED:IF CONSCIOUS IMMEDIATELY DILUTE BY GIVE LARGE VOL OF
H2O.INDUCE VOMIT BY GIVING SYRUP OF IPECAC/TOUCH BACK OF THROAT
W/FINGER.REPEAT
EAT UNTIL VOMIT FLUID IS CLEAR.FOLLOW W/MORE H2O/MUCILAGIN
DRINK.GET MED ATTN.

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

Flash Point:NONE
Extinguishing Media:DRY CHEM,CARBON DIOXIDE.AVOID CONTACT OF DRY
CHROMIC ACID W/H2O IF POSS.DRY CHROMIC ACID EXPOSED TO HIGH HEAT
MAY DECOMP
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING RESPIRATORY
PROTECTION & FULL PROT GEAR.ANY WATER RUNOFF MAY CONTAIN HEXAVALENT
CHROME & SHOULD NOT BE ALLOWED TO ENTER SEWERS

/WATERWAY

Unusual Fire/Explosion Hazard:MAY INCREASE INTENSITY OF FIRE WHEN IN CONTACT W/COMBUSTIBLE MAT'L COOL FIRE EXPOSED CONTAINER CAUTIONLY WITH WATER SPRAY,BEING ALERT FOR POSSIBLE OF STEAM EXPO

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

Spill Release Procedures:USE PROTECT EQUIP.SHOVEL DRY SPILL IN DOT-APPROVED DRUM FOR DISPOSAL.KEEP SOIL DRY UNTIL SWEEPED UP/SHOVELED INTO DISPOSAL DRUMS.RESIDUAL AMNTS SHOULD BE DISSOLVED IN WATER & SOLUTION COLLECTED IN DRUMS FOR DISPOSAL.DO NOT ALLOW TO ENTER SEWER.WATERWAY

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

Handling and Storage Precautions:STORE IN DRY PROTECTED AREA AWAY FROM STRONG ACIDS OR BASES,REDUCING COMPOUNDS,FLAMMABLE OR COMBUSTIBLE MATERIAL.

Other Precautions:WARNING!SLOWLY ADD TO SOLUTION WHILE MIXING,TAKING CARE TO AVOID SPLASHING OR SPATTERING. USE APPROPRIATE PROTECTIVE EQUIPMENT.

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

Respiratory Protection:FOR DUST CONDITIONS, A NIOSH-APPROVED RESPIRATOR FOR TOXIC DUST IS ADVISED. IF RESPIRATORS ARE USED, A FORMAL TRAINING AND SCREENING PROGRAM MUST BE INITIATED.

Ventilation:MAINTAIN SUFFICIENT MECHANICAL VENTILATION TO KEEP PARTICULATE CONCENTRATION BELOW TLV.

Protective Gloves:MATERIAL RESISTANT CHROMIC GLOVES

Eye Protection:CHEMICAL FACE SHIELD OR GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT BOOTS AND APRON.SUIT IS NOT NORMAL

LY REQUIRED.

Work Hygienic Practices:WASH HANDS/FACE W/SOAP/WATER BEFORE SMOKING OR EATING.IMMED REMOVE CONTAM CLOTHES.WASH BEFORE REUSE.DO NOT WASH AT HOME.

Supplemental Safety and Health

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIP:RELIEVE ANY PRESSURE.COVER OPENINGS TO AVOID SPLASHING.CLEAN EXTERIOR AND INTERIOR BY FLUSHING WITH WATER.COLLECT FLUSHING FOR DISPOSAL.USE PROTECTIVE EQUIPMENT FOR EYES, SKIN AND INHALATION.

===== Physical/Chemical Properties ==

=====

HCC:D3
pH:2.0(3%
Solubility in Water:APPRECIABLE
Appearance and Odor:DARK RED FLAKES OF POWDER, LITTLE OR NO ODOR

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

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:CONTACT WITH STRONG ACIDS,STRONG ALKALI,
REDUCING COMPOUNDS, FLAMMABLE OR COMBUSTIBLE MATERIALS.

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

Waste Disposal Methods:TRANSFER TO RECLAIM CNTR FOR
RECYCLE/REUSE.TRANSFER TO LICENSED HAZARD WASTE TREATMENT/DISPOSAL
SITE FOR DISPOS UNDER APPLICABLE LOCAL,STATE/REGIONAL REGS AS
HAZARDOUS WASTE.SMALL AMTS MAY BE DISSOLVE D IN
H2O,TREATED/RELEASED TO SEWER IF REGS PERMIT.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be
accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.