

TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA -- TURCOAT ALUMIGOLD --
8030-00-663-9847

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

Product ID:TURCOAT ALUMIGOLD

MSDS Date:05/12/1995

FSC:8030

NIIN:00-663-9847

MSDS Number: BXYDF

==== Responsible Party ====

Company Name:TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA

Address:7320 BOLSA AVE

City:WESTMINSTER

State:CA

ZIP:92684

Country:US

Info Phone Num:714-89

0-3600

Emergency Phone Num:202-483-7616/800-424-9300(CHEMTREC)

Preparer's Name:JOHN F. GRAINGER

CAGE:61102

==== Contractor Identification ====

Company Name:TURCO PRODUCTS, INC. DIVISON OF ELF ATOCHEM NORTH AMERICA

Address:2000 MARKET ST

Box:City:PHILADELPHIA

State:PA

ZIP:19103-3222

Country:US

Phone:215-419-7890

CAGE:61102

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

Ingred Name:ZINC SILICOFLUORIDE (SARA 313) (CERCLA)

CAS:16871-71-9

RTECS #:VV8754000

Fraction by Wt: 50%

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her REC Limits:NONE RECOMMENDED

OSHA PEL:2.5 PPM (F)

ACGIH TLV:2.5 MG (F)/M3; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CHROMIUM (VI) OXIDE (1:3)/CHROMIC ACID

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C O.1 MG/M3 AS CRO3

ACGIH TLV:0.05 MG/M3 AS CR

Ingred Name:BORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG BORATES/M3

ACGIH TLV:5 MG BORATES/M3

===== Hazards Identifi
cation =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. ACUTE- EYE CONTACT CAN CAUSE SEVERE BURNS & BLINDNESS.
SKIN CONTACT BURNS TISSUE. CAN BE ABSORBED THROUGH SKIN. INGESTION
CAUSES TISSUE DESTRUCTION, SEVERE IRRITATION. INHALATION CAN
CAUSEDAMAGE TO MUCOUS

MEMBRANES. CHRONIC- POISON MAY AFFECT LIVER,
KIDNEY & GI TRACT.

Explanation of Carcinogenicity:CONTAINS CHROMIUM (+6).

Effects of Overexposure:SEVERE IRRITATION AND BURNS OF EYES, SKIN,
RESPIRATORY AND GASTROINTESTINAL TRACTS; SKIN ULCERATION,
PERFORATION OF THE NASAL SEPTUM, BURNING SENSATION IN THE THROAT,
ABDOMINAL PAIN, DIZZINESS, VOMIT ING, INTENSE THIRST, SHOCK, SKIN
SENSITIZATION

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE

PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION OR KNOWN SENSITIZATION TO CHROMIC ACID OR CHROMATE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IN ALL CASES. SPEED IS ESSENTIAL.
EYE:IMMEDIATELY FLUSH WITH WATER FOR 5 MINUTES. HOLD EYELIDS OPEN.
CONTINUE WITH NORMAL SALINE FOR 30-60 MINUTES. SKIN:FLUSH WITH
PLENTY OF WATER. INHALED:REMOVE TO FRESH AIR. PROVIDECPR/OXYGEN
IF
NEEDED. ORAL:DO NOT INDUCE VOMITING EXCEPT ON ADVICE OF COMPETENT
MEDICAL PERSONNEL. IF CONSCIOUS, DRINK LARGE VOLUMES OF SOLUBLE
CALCIUM (MILK).

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

Flash Point:NONE
Extinguishing Media:WATER FLOOD
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. ANY WATER RUNOFF MAY CONTAIN
HEXAVALENT CHROMS AND SHOULD NOT ENTER SEWERS.
Unusual Fire/Explosion Hazard:
d:MAY INCREASE INTENSITY OF FIRE WHEN IN
CONTACT WITH COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT. SHOVEL
DRY SPILL INTO DOT-APPROVED DRUMS FOR DISPOSAL. AVOID RAISING DUST.
RESIDUAL AMOUNTS SHOULD BE DISSOLVED IN WATER AND SOLUTION
COLLECTED IN DRUMS FOR DISPOSAL. DO NOT ALLOW PRODUCT/RINSE WATER
ENTER SEWERS
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE
MATERIALS. AVOID STORAGE ON WOOD FLOORS. PROTECT AGAINST PHYSICAL
DAMAGE.
Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT
BREATHE DUST. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE
INTERNALLY. CLOTHING CONTAMINATED WITH THIS PRODUCT IS DANGEROUSLY
FLAMMABLE. RINSE WITH WATER. ALWAYS ADD TO WATER SLOWLY

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

ction =====

Respiratory Protection:FOR CONDITIONS WHERE EXPOSURE TO DUST OR FUMES IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. IN EMERGENCY, WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN + PRESSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE OR POLYVINYL GLOVES

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:D3

NRC/State Lic Num:NOT RELEVANT

pH:1.5 3%

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:APPRECIABLE

Appearance and

Odor:DARK, RED-BROWN, GRANULAR MIX; LITTLE OR NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG BASES, REDUCING AGENTS, FLAMMABLE OR COMBUSTIBLE MATERIALS, REACTIVE METALS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:MAY FORM CORROSIVE AND TOXIC HYDROGEN FLUORIDE.

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

Waste Disposal Methods:DISPOSE OF IN COMPL

INANCE WITH ALL CURRENT LOCAL,
STATE AND FEDERAL REGULATIONS. HEXAVALENT CHROMIUM IN SOLUTION CAN
BE REDUCED TO TRIVALENT CHROMIUM BY SODIUM BISULFITE, SULFUR
DIOXIDE, ETC. FLUORIDES MAY BE REMOVED BY LIME TREATMENT.

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