

TURCO PRODS (DIV OF ELF ATOCHEM FORMERLY PUREX IND -- TURCOAT ALUMIGOLD --
8030-01-341-8609

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Product Identification
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Product ID:TURCOAT ALUMIGOLD

MSDS Date:05/12/1995

FSC:8030

NIIN:01-341-8609

MSDS Number: CCGNP

=== Responsible Party ===

Company Name:TURCO PRODS (DIV OF ELF ATOCHEM FORMERLY PUREX IND

Address:2700 TEMPLE AVE SUITE B

City:LONG BEACH

State:CA

ZIP:90806-5000

Country:US

Info

Phone Num:310-981-8300/215-245-3153

Emergency Phone Num:215-245-3153/310-981-8300

Preparer's Name:JOHN P JONES

CAGE:GO615

=== Contractor Identification ===

Company Name:TURCO PRODS (DIV OF ELF ATOCHEM FORMERLY PUREX IND

Address:2700 TEMPLE AVE SUITE B

City:LONG BEACH

State:CA

ZIP:90806-5000

Country:US

Phone:310-981-8300/215-245-3153

CAGE:GO615

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

Ph

one:215-419-7890

CAGE:61102

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Composition/Information on Ingredients
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Ingred Name:ZINC FLUOROSILICATE

CAS:16871-71-9

RTECS #:VV8754000

Fraction by Wt: 50%

OSHA PEL:2.5 MG/CUM

ACGIH TLV:2.5 MG/CUM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CHROMIC ACID (SOLID OR SOLUTION), CRO3, CHROMIUM (VI)
OXIDE,(CARC BY ACGIH, IARC - GROUP 1; CARC BY NTP) *96-3*

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 40%

OSHA PEL:0.1 MG/CUM (CRO3)

)
Ingred Name: BORIC ACID, ORTHOBORIC ACID

CAS: 10043-35-3

RTECS #: ED4550000

Ingred Name: HEXAVALENT CHROMIUM COMPOUND (AS CR)

Fraction by Wt: 20.3%

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

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

Health Hazards Acute and Chronic: EYES: CHEMICAL BURNS & PERMANENT
DAMAGE. SKIN: IRRITATION, DEEP CHEMICAL BURNS & NECROSIS. CHROMATES
ARE SENSITIZERS & ABSORPT

ION. INHALATION: PERFORMATION OF NASAL

SEPTUM, IRRITATION & DAMAGE TO RESP IRATORY SYSTEM. OVEREXPOSURE TO
HEXAVALENT CHROME MAY CAUSE LUNG CANCER RISK. INGESTION: HARMFUL,
SEVERE IRRITATION.

Explanation of Carcinogenicity: SEE INGREDIENTS.

Effects of Overexposure: BURNS, IRRITATION, ULCERATION, ASTHMA.

Medical Cond Aggravated by Exposure: CHROMATES ARE SYSTEMIC POISONS
AFFECTING THE LIVER, KIDNEYS & GI TRACT. FLUORIDES ARE CELLULAR
POISONS. ANY TISSUE CONTACT MAY LEAD TO SEVERE
CORROSIVE ATTACK,
POSSIBLE NECROSIS.

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First Aid Measures
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First Aid: EYES: BEGIN FLUSHING W/LARGE VOLUMES OF WATER, CONTINUE FOR 5
MINS & FOLLOW W/NORMAL SALINE FOR 30-60 MINS. SKIN: FLUSH W/LARGE
VOLUMES OF WATER & CONTINUE FLUSHING FOR 15 MINS. INHALATION:
REMOVE TO FRESH AIR. GIVE OXYGEN IF NEEDED. INGESTION: DON'T
INDUCE VOMITING. IF CONSCIOUS, DILUTE BY GIVING LARGE VOLUMES OF
SOLUBLE CALCIUM, SUCH AS MILK, CALCIUM G
LUCONATE/CALCIUM LACTATE
SOLUTION. (SEE SUPP

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Fire Fighting Measures
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Flash Point: NONE

Extinguishing Media: WATER FLOOD.

Fire Fighting Procedures: USE SELF CONTAINED RESPIRATORY PROTECTION. ANY
WATER RUNOFF MAY CONTAIN HEXAVALENT CHROME & SHOULDN'T BE ALLOWED
TO ENTER SEWER/WATERWAYS.

Unusual Fire/Explosion Hazard: MAY INCREASE INTENSITY OF FIRE WHEN IN
CONTACT W/COMBUSTIBLE MATERIAL.

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Accidental Release Measures
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Spill Release Procedures:CONCENTRATE: USE PROTECTIVE EQUIPMENT. KEEP DRY UNTIL SWEEPED UP & SHOVELED INTO DOT APPROVED DRUMS FOR DISPOSAL. DISSOLVE RESIDUAL AMOUNTS IN WATER & COLLECT SOLUTION IN DOT APPROVED DRUMS. DON'T ALLOW PRODUCT/RINSE WATER TO ENTER SEWER/WATERWAYS.(SUP
Neutralizing Agent:SODA ASH SOLUTION.

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

Handling and Storage Precautions:STORE IN DRY PROTECTED AREA. CAREFULLY ADD TO WATER WHILE MIXING, TO AVOID SPLASHING. USE APPROPRIATE SAFETY EQUIPMENT TO ELIMINATE SKIN/EYE CONTACT.
Other Precautions:MAKE ADDITIONS TO IN-USE TANKS SLOWLY & CAUTIOUSLY. RELIEVE ANY PRESSURE. COVER OPENINGS TO AVOID SPURTING. CLEAN EXTERIOR & INTERIOR BY FLUSHING W/WATER. COLLECT FLUSHINGS FOR DISPOSAL. USE PROTECTIV E FOR EYES, SKIN & INHALATION.

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

Respiratory Protection:FOR MIST, VAPOR/DUST CONDITIONS, A NI OSH APPROVED RESPIRATOR FOR TOXIC MISTS/HYDROGEN FLUORIDE IS ADVISED. IF RESPIRATORS ARE USED, A FORMAL TRAINING & SCREENING PROGRAM MUST BE INITIATED.
Ventilation:MECHANICAL (GENERAL): MAINTAIN SUFFICIENT TO KEEP VAPOR & PARTICULATE CONCENTRATION BELOW TLV.
Protective Gloves:VITON/POLY VINYL CHLORIDE
Eye Protection:FACE SHIELD/GOGGLES
Other Protective Equipment:ACID RESISTANT BOOTS & APRON, PROTECTIVE SUIT.
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS & FACE W/SOAP & WATER BEFORE SMOKING/EATING.
Supplemental Safety and Health
DISCARD CONTAMINATED SHOES. FIRST AID CONT'D: NEVER ATTEMPT TO INDUCE VOMITING/GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
SPILLS-SOLUTIONS: CONFINE & VENTILATE AREA. EVAUCATE AREA. SAFELY STOP L EAK. PUMP LIQUID, ABSORB REMAINING LIQUID ON INERT ABSORBENT, COLLECT WASHINGS IN DOT APPROVED DRUMS. NEUTRALIZE.

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

pH:3.1

Solubility in Water:APPRECIABLE

Appearance and Odor:DARK, RED-BROWN, GRANULAR MIX W/LITTLE/NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG ALKALIS/REACTIVE METALS.

Hazardous Decomposition Products:HYDROGEN FLUORIDE.

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

Waste Disposal Methods:CONCENTRATE: TRANSFER TO RECLAIMING CENTER FOR
RECYCLING/REUSE/TO A LICENSED HAZARDOU

S WASTE TREATMENT/DISPOSAL

SITE, IAW/FEDERAL, STATE & LOCAL REGULATIONS. UN3087.

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