

TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA -- TURCO 4931 PART A --  
6850-01-433-9431

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

Product ID:TURCO 4931 PART A

MSDS Date:10/25/1990

FSC:6850

NIIN:01-433-9431

Kit Part:Y

MSDS Number: CFMVM

=== Responsible Party ===

Company Name:TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA

Address:7300 BOLSA AVE

City:WESTMINSTER

State:CA

ZIP:92684-3600

Country:US

Info

Phone Num:714-890-3600

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

Preparer's Name:JOHN P. JONES

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:SODIUM HYDROGEN SULFATE

CAS:7681-38-1

RTECS #:VZ1860000

Fraction by Wt: >95%

Other

REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:EYE:CONTACT OF PROD/PROD DUST/SOLN MAY CAUSE CHEM BURNS;POSSIBLE PERM DMG.SKIN:CONTACT OF PROD/PROD DUST/SOLN MAY CAUSE SEVERE IRRIT,POSSIBLE CHEM BURNS,POSSIBLE PERMANENT TISSUE DMG.INHAL:DUST/MI

ST M AY CAUSE SEVERE IRRIT &

POSSIBLE PERMANENT DMG TO UPPER RESP TRACT.INGEST:SEVERE IRRIT,POSSIBLE DMG TO GI TRACT.

Explanation of Carcinogenicity:PER MSDS:CARCINOGENS:NONE(AS DEFINED IN 29CFR 1910.120, APPENDIX A(1)).

Effects of Overexposure:CHEM EYE BURNS, PERMANENT DMG, SEVERE SKIN IRRIT, CHEM SKIN BURNS, PERM SKIN TISSUE DMG, SEVERE IRRIT WHEN INHAL, PERM DMG TO UPPER RESP TRACT, SEVERE IRRIT WHEN INGEST, DMG TO GI TRACT.

Medical Cond Aggravated by Exposure:NO KNOWN CHRONIC EFFECTS THAT DIFFER FROM ACUTE EFFECTS.

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

First Aid:EYE:SPEED ESSENTIAL.IMMED BEGIN FLUSH W/LG VOLS OF H2O.CONT 5MINS.FOLLOW W/NORMAL SALINE FOR 30-60MINS.HOLD EYELIDS APART.GET IMMED MED ATTN.SKIN:FLUSH W/LG VOLS OF H2O.CONT @LEAST 15MINS.IRRIT/BLISTE R OCCURS GET MED ATTN.INHAL:REMOVE TO FRESH AIR.BREATH DIFFI ADMIN OXY.IRRIT GET MED ATTN.INGEST:DONT INDUCE VOMIT EXCEPT ON ADVICE OF MED PERSON .CONSC DILUTE BY GIVING LG VOL OF MILK/H2O.GET MED(SUP)

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

Flash Point:NON-FLAMMABLE

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NP

Upper Limits:NP

Fire Fighting Procedures:USE SELF-CONTAINED RESPIRATORY PROTECTION.

Unusual Fire/Explosion Hazard:CONTACT W/WATER & REACTIVE METALS, SUCH AS LAUMINUM, ZINC, TIN, ETC., MAY LEAD TO GENERATION OF HYDROGEN GAS IN EXPLOSIVE AMTS.

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===== Accidental R

Release Measures =====

Spill Release Procedures:CLEANUP PERSON USE APPRP PROT EQPMT.SHOVEL DRY SPILL INTO DOT APPROV DR FOR DISP.KEEP DRY TIL AS MUCH AS POSSIBLE HAS BEEN SWEEP UP/SHOVEL.RESIDUAL AMTS DISSOLVE IN WATER,SOLN COLLECT IN DOT APPROV DR FOR DISPO.NEUTRA AREA W/SODA ASH SOLN.(SUPPLE)

Neutralizing Agent:SODA ASH SOLUTION.

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

Handling and Storage Precautions:USE APPROP SAF EPMT.ADD SLOWLY TO

TEPID H2O WHILE MIX.NEVER DUMP LG AMTS INTO H2O-VIOLE STEAM ERUPTION.ADD ONLY AS FAST AS PROD DISSOLVE.ADD SLOW/CAUT

Other Precautions:DISPO:DISPO AS 1,2 ABOVE.HEAVY METAL PPT BY PH ADJUST TO 9.5-10.5.SEPARATED H2O PH ADJUST 7.0-8.0.RESIDUAL ORG MATTER REMOVE BY OXIDATION &/OR CARBON TREAT.CLARIFIED H2O RELEASE TO SEWER IF LOC REGS P ERMIT. STORE MATL IN DRY PROTECTED AREA.

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

Respiratory Protection:FOR DUS

T/MIST CONDITIONS NIOSH-APPROV RESP FOR

DUST/MIST ADVISED.IF RESPIRATORS ARE USED FORMAL TRAINING/SCREENING PROGRAM MUST BE INITIATED.SEE 29CFR1910.134.

Ventilation:MAINTAIN SUFFICIENT MECHANICAL VENTILATION TO KEEP VAPOR CONCEN BELOW TLV.

Protective Gloves:GLOVES OF ACID RESIST MATL-VITON,PVC,ETC

Eye Protection:FACESHIELD,GOGG

Other Protective Equipment:BOOTS/APRON MADE OF ACID RESISTANT

MATERIAL(VITON,PVC,ETC).PROTECTIVE SUIT NOT NORMALLY REQUIRE BUT ADVISED IF NECESSARY

Work

Hygienic Practices:WASH HANDS/FACE W/SOAP/H2O BEF SMOKE/EAT.IMMED REMOVE ALL CONT CLOTH;WASH SEPARATELY BEF REUSE.DISCARD SHOES INTER CONTA

Supplemental Safety and Health

PH:3% IN SOLN=1.0. 1ST AID:ATTN IMMED.NEVER INDUCE VOMIT/GIVE ANYTHING

BY MOUTH IF UNCONSC. SPILL:TREAT NEUTRA WASH PER DISPO SEC,RELEASE TO SEWER IF REGS PERMIT.SOLN:CONFINE SPILL.STOP LEAK W/O RISK.V

ENTI AREA.REMOVE NONESSENT PERSON TIL CLEANUP COMPLETE.PUMP/ABSORB INTO DR.WASH/NEUTRA AREA.COLLECT W

ASH.

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

HCC:C3

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:N/AVAI

Vapor Density:NA

Spec Gravity:NA

pH:SUPPLE

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:NA

Appearance and Odor:OFF WHITE GRANULAR POWDER

Percent Volatiles by Volume:NA

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:

YES

CONTACT W/STRONG ALKALIES,REACTIVE METALS, ORGANIC MATERIALS.

Stability Condition to Avoid:CONTACT W/STRONG ALKALIES,REACTIVE METALS,  
ORGANIC MATERIALS

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:CONC:1)TRANSF TO RECLAIM

CNTR-RECYCLE,REUSE.2)TRANSF TO LIC HAZ WASTE TREAT/DISP SITE-DISPOSE  
PER APPLIC LOC/STATE/REG REGS AS HAZ WASTE.3)SM AMTS DISSOLVE IN  
H2O,TREAT A

S BELOW.CLARIFIED H2O RELEASE TO SEWER IF LOC REGS  
PERMIT.SOLN/RINSE:(OTHERPRECAU)

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