

TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA -- TURCO SURJEX CLEANING  
COMPOUND SOLVENT -- 6850-00-551-3694

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

Product ID:TURCO SURJEX CLEANING COMPOUND SOLVENT

MSDS Date:10/16/1990

FSC:6850

NIIN:00-551-3694

MSDS Number: BJQCY

=== Responsible Party ===

Company Name:TURCO PRODUCTS INC SUB ELF ATOCHEM NORTH AMERICA

Address:7300 BOLSA AVE

Box:6200

City:WESTMINSTER

State:CA

ZIP:92684-3600

Country:US

Info Phone Num:714-890-3600

Emergency Phone Num:714-890-3600

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

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

Ingred Name:CRESOL, ALL ISOMERS (CRESYLIC ACID) (SARA III)

CAS:1319-77-3

RTECS #:GO5950000

Fraction by Wt:

5% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, 5 PPM

ACGIH TLV:S, 5 PPM; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ALIPHATIC PETROLEUM SOLVENT (KEROSENE)

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: < 5% %

Other REC Limits:NONE SPECIFIED

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 5% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

RTECS #:PA8050000  
Fraction by Wt: 10% %  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:500 PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TRICHLOROETHYLENE (SARA III)  
CAS:79-01-6  
RTECS #:KX4550000  
Fraction by Wt: 60% %  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/100 STEL  
ACGIH TLV:50 PPM/100,A5STEL;93  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:PHENOL  
CAS:108-95-2  
RTECS #:SJ3325000  
Fraction by Wt: < 5% %  
Other REC Limits:NONE SPECIFIED  
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SHA PEL:S, 5 PPM  
ACGIH TLV:S, 5 PPM; 9091  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TALL OIL FATTY ACIDS, POTASSIUM SOAP  
CAS:61790-44-1  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYES: CONTACT WITH VAPOR MAY CAUSE SEVERE IRRITATION. CONTACT WITH LIQUID MAY CAUSE SEVERE IRRITATION,  
CHEMICAL BURNS, POSSIBLE PERMANENT DAMAGE, POSSIBLE BLINDNESS.  
SKIN: SEVERE IRRITATION, DRYING, DEFATTING, ABSORPTION.  
INHALATION: RESPIRATORY TRACT IRRITATION, NAUSEA, HEADACHE.  
INGESTION: SEVERE IRRITATION, DEATH.  
Explanation of Carcinogenicity:TRICHLOROETHYLENE GROUP 3 BY IARC.  
DICHLOROMETHANE GROUP 2B BY IARC; GROUP B BY NTP. HEXAVALENT CHROMIUM GROUP 1/GROUP A  
Effects of Overexposure:EYES: SEVERE IRRITATION, BURNING, BLINDNESS.  
SKIN: MODERATE TO SEVERE IRRITATION

TATION, DRYING, DEFATTING. INHALATION:

MODERATE TO SEVERE IRRITATION OF RESPIRATORY TRACT, NAUSEA, HEADACHE. INGESTION: SEVERE IRRITATION TO DIGESTIVE TRACT, POSSIBLE TISSUE DAMAGE, DEATH. REPEATED OVEREXPOSURE MAY CAUSE LIVER/KIDNEY DAMAGE.

Medical Cond Aggravated by Exposure:OVEREXPOSURE TO CHLORINATED HYDROCARBONS MAY CAUSE CARDIAC IRRITABILITY AND/OR LEAD TO CARDIAC ARRHYTHMIA, AGGRAVATING ANY PRE-EXISTING CARDIAC DAMAGE OR DYSFUNCTION.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: SPEED IS ESSENTIAL. WASH WITH SOAP AND WATER. IF IRRITATION IS EVIDENT OR BLISTERING OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS, DILUTE BY GIVING WATER OR MILK.

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

Flash Point Method:TCC

Flash Point:145F,63C

Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR WATER FOG

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CONTAIN SPILL. STOP LEAK AT SOURCE IF THIS CAN BE DONE SAFELY. VENTILATE AREA. PUMP LIQUID INTO DOT-APPROVED DRUMS FOR DISPOSAL. ABSORB REMAINING LIQUID ONTO INERT ABSORBENT. WASH AREA WITH WATER. COLLECT FOR DISPOSAL. KEEP FROM ENTERING WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL AREA PROTECT

ED FROM

EXPOSURE TO DIRECT SUNLIGHT, RAIN OR STANDING WATER. USE CARE IN OPENING CONTAINER TO AVOID SPURTING.

Other Precautions:VAPORS FROM PRODUCT ARE HEAVIER THAN AIR AND WILL TRAVEL ALONG GROUND TO COLLECT IN LOW AREAS. PERSONNEL ENTERING SUCH AREAS MUST BE PROVIDED WITH RESPIRATORY PROTECTION AND A SAFETY LINE. DIRECT CONTACT WITH ALUMINUM COULD CAUSE EXPLOSION.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION

EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

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

Protective Gloves:NEOPRENE, VITON GLOVES

Eye Protection:FACE SHEILD OR GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PERSONS WEARING CONTACT LENSES SHOULD WEAR VAPOR-PROOF, WELL-FITTING GOGGLES. DO NOT USE 1,1,1-TRICHLOROETHANE, METHYLENE CHLORIDE, PERCHLOROETHYLENE OR OTHER HALOGENATED SOLVENTS WITH PRESSURIZED FLUID HANDLING EQUIPMENT CONTAINING ALUMINUM PARTS. DISCARD SHOES THAT BECOME CONTAMINATED ON THE INTERIOR.

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

HCC:T3

Boiling Pt:B.P. Text:120F,49C

Vapor Pres:25 MM HG

Vapor Density:> 1

Spec Gravity:1.26

pH:11.0

Evaporation Rate & Reference:< 1 (BUTYL ACETATE = 1)

Solubility in Water:EMULSIFIES

Appearance and Odor:CLEAR THIN BROWN TO AMBER LIQUID, CHLORINATED SOLVENT ODOR

Percent Volatiles by Volume:80 %

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

Stability Indicator/Materials to Avoid:

YES  
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONGLY HEATED REACTIVE METALS  
Stability Condition to Avoid:EXTREMELY HIGH TEMPERATURES, OPEN FLAMES  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,  
OXIDES OF NITROGEN AND CHLORINE, ACID GASES, TOXIC ORGANIC  
COMPOUNDS

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

Waste Disposal Methods:TRANSFER TO RECLAIMING CENTER FOR RECYCLING OR  
REUSE, IF POSSIBLE. OR TRANSFER TO LICENSED HAZARDOUS WASTE  
TREA  
TMENT OR DISPOSAL SITE FOR DISPOSITION UNDER APPLICABLE LOCAL,  
STATE AND REGIONAL REGULATIONS AS HAZARDOUS WASTE.

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