

ELF ATOCHEM NORTH AMERICA / TURCO PRODUCT INC -- M5077, TURCO 6783-10 --
6850-01-472-1845

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

Product ID:M5077, TURCO 6783-10

MSDS Date:06/16/2000

FSC:6850

NIIN:01-472-1845

Status Code:A

MSDS Number: CLCVD

=== Responsible Party ===

Company Name:ELF ATOCHEM NORTH AMERICA / TURCO PRODUCT INC

Address:2000 MARKET ST

City:PHILADELPHIA

State:PA

ZIP:19103-3222

Country:US

In

fo Phone Num:215-419-7890; 800-848-0085

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:05944

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:61102

=== Contractor Identification ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-01-M-D984

CAGE:0YED2

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:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NOT PROVIDED

Ingred Name:DIETHYLENE GLYCOL BUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Minumum % Wt:1.

Maxumum % Wt:10.

NOT PROVIDED
ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED

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

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

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: NO SPECIFIC INFORMATION ON THE HEALTH EFFECTS OF THIS MATERIAL WAS FOUND IN A SEARCH OF THE SCIENTIFIC LITERATURE. HOWEVER, UPON CONTACT THIS MATERIAL MAY BE IRRITATING.

Explanation

of Carcinogenicity:NONE

Effects of Overexposure:MAY CAUSE EYE AND SKIN IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:IF IN EYES, IMMEDIATELY FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF ON SKIN, IMMEDIATELY WASH WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

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

Autoignition Temp:Autoignition Temp Text:N/E

Lower Limits:N/E

Upper Limits:N/E

Extinguishing Media:

USE WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO PRODUCTS OF COMBUSTIONS SHOULD WEAR FULL FIRE FIGHTING TURN OUT GEAR (FULL BUNKER GEAR) AND SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND NIOSH APPROVED OR EQUIVALENT). FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED AFTER USE.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

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Spill Release Procedures:CONTAIN SPILL. SWEEP OR SCOOP UP AND REMOVE TO SUITABLE CONTAINER. CONSULT A REGULATORY SPECIALIST TO DETERMINE APPROPRIATE STATE OR LOCAL REPORTING REQUIREMENTS, FOR ASSISTANCE IN WASTE CHARACTERIZATION AND/OR HAZARDOUS WASTE DISPOSAL AND OTHER REQUIREMENTS LISTED IN PERTINENT ENVIRONMENTAL PERMITS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. AVOID

EXCESSIVE HEAT. STORE OUT OF DIRECT SUNLIGHT IN A COOL, WELL-VENTILATED PLACE.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED.

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

Respiratory Protection:AVOID BREATHING VAPOR OR MIST. WHERE AIRBORNE EXPOSURE IS LIKELY, USE NIOSH APPROVED RESPIRATORY PROTECTION EQUIPMENT APPROPRIATE TO THE MATERIAL AND/OR ITS COMPONENTS. IF

EXPOSURES CANNOT BE KEPT AT A MINIMUM WITH ENGINEERING CONTROLS, CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT FOR GIVEN APPLICATION.

Ventilation:DILUTION VENTILATION IS ACCEPTABLE BUT LOCAL MECHANICAL EXHAUST VENTILATION PREFERRED.

Protective Gloves:NEOPRENE OR NITRILE GLOVES SHOULD BE WORN WHEN HANDLING THIS MATERIAL.

Eye Protection:WHERE THERE IS POTENTIAL FOR EYE CONTACT, WEAR CHEMICAL GOGGLES.

Other Protective Equipment:HAVE EYE FLUSHING EQUIPMENT AVAILABLE. WEAR

FACE SHIELD AND CHEMICAL RESISTANT CLOTHING SUCH AS RUBBER APRON WHEN SPLASHING MAY OCCUR.

Work Hygienic Practices:USE OF APPROPRIATE GOOD INDUSTRIAL HYGIENE AND SAFETY PRECAUTIONS TO CONTROL EXPOSURE IS RECOMMENDED WHEN HANDLING OR USING THIS PRODUCT.

Supplemental Safety and Health

WASH CONTAMINATED CLOTHING AND CLEAN PROTECTIVE EQUIPMENT BEFORE REUSE. RINSE CONTAMINATED SKIN PROMPTLY. WASH SKIN THOROUGHLY AFTER HANDLING. ABBREVIATION: N/A = NOT AP

PLICABLE. N/AV = NOT AVAILABLE.

N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>93.3C, 200.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:25

Vapor Density:N/E

Spec Gravity:1.00

pH:NOT AVAILABLE

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:< 1

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR LIQUID

Percent Volatiles by Volume:97

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG ACIDS AND OXIDIZERS.

Stability Condition to Avoid:THIS MATERIAL IS CHEMICALLY STABLE UNDER NORMAL AND ANTICIPATED STORAGE AND HANDLING CONDITIONS.

Hazardous Decomposition Products:OXIDES OF CARBON, NITROGEN COMPOUNDS.

===== Toxicological Information =====

Toxicologic

al Information:DIETHYLENE GLYCOL BUTYL ETHER: PRACTICALLY

NON-TOXIC TO RATS IF SWALLOWED (LD50 5,660-9,600 MG/KG), SLIGHTLY TOXIC TO RABBITS IF ABSORBED THROUGH SKIN (LD50 2,700-4,120 MG/KG).

MODERATELY IRRITATING TO RABBIT EYES AND SLIGHTLY IRRITATING TO RABBIT SKIN. NONYLPHENOXYPOLY (ETHYLENEOXY) ETHANOL: SLIGHTLY TOXIC TO RATS IF SWALLOWED (LD50 510-5,000 MG/KG) OR RABBITS IF ABSORBED THROUGH SKIN (LD50 1,000 ->3,000 MG/KG), SEVERELY TO MODERATELY IRRITATING TO RA

BBIT EYES AND SLIGHTLY IRRITATING TO RABBIT SKIN.

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Ecological Information
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Ecological:DIETHYLENE GLYCOL BUTYL ETHER: 24-HR LC50 DAPHNIA MAGNA:
2,850 MG/L, PRACTICALLY NON-TOXIC. 24-HR EC50 GOLDFISH: 2,700 MG/L,
PRACTICALLY NON-TOXIC. 96-HR LC50 BLUEGILL SUNFISH: 1,300 MG/L,
PRACTICALLY NON-TOXIC. 96-HR TIDEWATER SILVERSIDES: 2,000 MG/L,
PRACTICALLY NON-TOXIC. IC50 BACTERIA (PSEUDOMONAS PUTIDA): 225
MG/L. EC50 ALGEE (MICROCYSTIC A

ERUGINOSA): 53 MG/L.

NONYLPHENOXYPOLY (ETHYLENEOXY) E THANOL: MODERATELY TOXIC TO
GOLDFISH, BLUEGILL SUNFISH AND KILLIFISH.

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Disposal Considerations
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Waste Disposal Methods:RECOVER, RECLAIM OR RECYCLE WHEN PRACTICAL.
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
NOTE: CHEMICAL ADDITIONS TO, PROCESSING OF, OR OTHERWISE ALTERING
THIS MATERIAL MAY MAKE THIS WASTE MANAGEMENT INFORMATION
INCOMPLETE, INACCURATE,
OR OTHERWISE INAPPROPRIATE. STATE AND LO
CAL REQUIREMENTS MAY DIFFER FROM FEDERAL LAWS.

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MSDS Transport Information
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Transport Information:DOT NAME: NOT REGULATED BY THE DOT.

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Regulatory Information
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SARA Title III Information:SARA REPORTABLE QUANTITIES: NOT ESTABLISHED.

SARA TITLE III, SECTION 313: THIS PRODUCT DOES CONTAIN CHEMICAL(S)
WHICH ARE DEFINED AS TOXIC CHEMICALS UNDER AND SUBJECT TO TH

E

REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR
372: DIETHYLENE GLYCOL BUTYL ETHER.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE ALL
ON THE TSCA INVENTORY LIST.

State Regulatory Information:NEW JERSEY RIGHT TO KNOW: THIS PRODUCT
DOES CONTAIN THE FOLLOWING CHEMICAL(S), AS INDICATED BELOW,
CURRENTLY ON THE NEW JERSEY RIGHT TO KNOW SUBSTANCE LIST:
DIETHYLENE GLYCOL BUTYL ETH

ER. PENNSYLVANIA ENVIRONMENTAL HAZARD
AND PENNSYLVANIA RIGHT TO KNOW: THIS PRODUCT DOES CONTAIN THE
FOLLOWING CHEMICAL(S), AS INDICATED BELOW, CURRENTLY ON
PENNSYLVANIA ENVIRONMENTAL HAZARD AND RIGHT TO KNOW: DIETHYL ENE
GLYCOL BUTYL ETHER.

===== Other Information =====

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particular situation.