

ELF ATOCHEM NORTH AMERICA INC -- TURCO 6813E -- 8010-01-441-5950

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Product Identification
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Product ID:TURCO 6813E
MSDS Date:07/17/2000
FSC:8010
NIIN:01-441-5950
Status Code:A
MSDS Number: CLQXZ
=== Responsible Party ===
Company Name:ELF ATOCHEM NORTH AMERICA INC
Address:2000 MARKET STREET
City:PHILADELPHIA
State:PA
ZIP:19103-3222
Country:US
Info Phone Num:800-245-5858
Emergency Phone Num
:(800)424-9300
Preparer's Name:HENRY SIMMONS
Chemtrec Ind/Phone:(800)424-9300
CAGE:86460

==== Contractor Identification ====

Company Name:ELF ATOCHEM NORTH AMERICA INC
Address:2000 MARKET STREET
Box:City:PHILADELPHIA
State:PA
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Composition/Information on Ingredients
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Ingred Name:AMMONIA
CAS:7664-41-7
RTECS #:BO0875000
OSHA PEL:35 MG/M3;50 PPM
ACGIH TLV:17 MG/M3;25 PPM
ACGIH STEL:24 MG/M3;35 PPM
EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:BENZYL ALCOHOL

CAS:100-51-6

RTECS #:DN3150000

Minumum % Wt:30.

Maxumum % Wt:60.

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:22.

Maxumum % Wt:45.

Ingred Name:LINEAR ALKYL BENZENE

CAS:68648-87-3

Minumum % Wt:1.

Maxumum % Wt:10.

Ingred Name:ANISOLE

CAS:100-66-3

RTECS #:BZ8050000

Minumum % Wt:1.

Maxumum % Wt:10.

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

Effects of Overexposure:THIS MATERIAL IS A COLORLESS GAS AT AMBIENT

TEMPERATURE AND PRESSURE WITH A STRONG AND IRRITATING ODOR. THE ODOR THRESHOLD HAS BEEN ESTIMATED AT 3.5 TO 37 MG/M3 (5 TO 53

PPM). THE PH OF A 1% AQUEOUS SOLUTION IS 11.7. INHALATION AND SKIN CONTACT TO BE THE

PRIMARY ROUTES OF OCCUPATIONAL EXPOSURE TO THIS MATERIAL. THIS MATERIAL IS

EXTREMELY IRRITATING TO THE SKIN, EYES, AND RESPIRATORY PROBLEM. INHALATION CAN

CAUSE COUGHING, SHORTNESS OF BREATH, LARYNGITIS, BRONCHITIS, CHEST PAINS AND SEVERE

RESPIRATORY PROBLEM

S. SWELLING OF THE LARYNX AND GLOTTIS CAN LEAD TO TEMPORARY OR PERMANENT BLINDNESS.

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

First Aid:IF IN EYES, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. IF ON SKIN, IMMEDIATELY WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. IF SWALLOWED, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. IF INHALED, REMOVE TO FRESH AIR, IF NOT BREATHING RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

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

Flash Point:>93.3C, 200.F
Extinguishing Media:USE WATER FOG, DRY CHEMICAL OR FOAM
Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR FULL 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:CONTAINER MAY EXPLODE IF HEATED DUE TO RESULTING RISE.

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

Spill Release Procedures:CONTAIN SPILL. STOP LEAK AT SOURCE IF THIS

CAN BE DONE SAFELY. VENTILATE AREA.
NONESSENTIAL PERSONNEL SHOULD LEAVE THE UNTIL CLEANUP IS COMPLETED.
PUMP LIQUID
INTO DOT-APPROVED DRUMS FOR DISPOSAL. ABSORB REMAINING LIQUID ONTO
INERT ABSORBENT
MATERIAL AND PLACE IN DOT APPROVED DRUMS FOR DISPOSAL. WASH AREA WITH
WATER. KEEP
CONCENTRATE AND WASH WATER FROM ENTERING SEWERS OR WATERWAYS.

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

Handling and Storage Precautions:HANDLING: DO NOT GET IN EYES, ON SKIN

OR CLOTHING. AVOID BREATHING VAPOR OR MIST. KEEP
CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY
AFTER
HANDLING. EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES. STORAGE.
STORE IN A COOL,
DRY PLACE. AVOID EXCESSIVE HEAT.

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

Respiratory Protection:AVOID BREATHING VAPOR OR MIST. WHEN AIRBORNE
EXPOSURE LIMITS ARE EXCEEDED (SEE BELOW), USE NIOSH APPROVED FULL
FACE RESPIRATOR WITH AN AMMONIA/METH
YLAMINE COUPLED WITH A P 95
PARTICULATE FILTER (FULL FACE PIECE RECOMMENDED). IF EXPOSURES
CANNOT BE KEPT A MINIMUM WITH ENGINEERING CONTROLS. USE NIOSH
APPROVED RESPIRATORY PROTECTION.

Ventilation:INVESTIGATE ENGINEERING TECHNIQUE TO REDUCE EXPOSURES BELOW
AIRBORNE LIMITS. PROVIDE VENTILATION IF NECESSARY TO CONTROL
AIRBORNE EXPOSURE LIMITS.

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

Eye Protection:WEAR CHEMICAL GOGGLES
AND EYE FLUSHING EQUIPMENT
IMMEDIATELY AVAILABLE.

Other Protective Equipment:WEAR FACE SHIELD AND CHEMICAL RESISTANT
CLOTHING SUCH AS A RUBBER APRON WHEN SPLASHING MAY OCCUR.

Supplemental Safety and Health

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

Boiling Pt:>93.3C, 200.F
Vapor Pres:15 MMHG @ 20 C
Vapor Density:> 1
Spec Gravity:1.02
VOC Pounds/Gallon:567
pH:10.4
Solubility in Water:EMULSIFIES
Appearance and Odor:PINK EMULSION

===== Stability a

nd Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG ACIDS AND OXIDIZERS. CONTAINS ORGANIC AMINE COMPOUNDS.

Hazardous Decomposition Products: OXIDES OF CARBON, NITROGEN COMPOUNDS

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

Toxicological Information: AMMONIA SINGLE EXPOSURE (ACUTE) STUDIES INDICATE THAT THIS MATERIAL IS MODERATELY TOXIC TO RATS IF SWALLOWED (LD50 350 MG/KG) AND SLIGHTLY TOXIC TO RATS IF INHALED

(1 HR LC50 11.62 MG/L; 2-HR LC50 7.6 MG/L) BENZYL ALCOHOL SINGLE EXPOSURE (ACUTE) STUDIES THAT THIS MATERIAL IS SLIGHTLY TOXIC TO RATS AND MICE IF SWALLOWED (LD50 1,100-3,100 AND 1,400-1,600 MG/KG, RESPECTIVELY) OR GUINEA PIGS IF ABSORBED THROUGH SKIN (LD50 1,000-5,000 MG/KG), PRACTICALLY NON-TOXIC TO RATS IF INHALED (4HR LC50 > 5.4 MG/L)

===== Ecological Information =====

Ecological: AMMONIA- ADVERSE EFFECTS TO AQUATIC ORGANISMS ARE DUE TO

UNIONIZED AMMONIA, SINCE THAT IS THE FORM THAT CAN EASILY PENETRATE BIOLOGICAL MEMBRANES. THIS MATERIAL IS AN INTEGRAL PART OF THE NITROGEN CYCLE IN THE ENVIRONMENT AND LOW CONCENTRATIONS ARE NECESSARY FOR PROPER GROWTH AND SURVIVAL. HIGH CONCENTRATIONS, HOWEVER, ARE MODERATELY TO HIGHLY TOXIC TO AQUATIC ORGANISMS. FORTY EIGHT AND NINETY SIX HOUR LC50'S IN FRESHWATER ORGANISMS RANGE FROM 1.1 TO 22.8 MG/L IN FISH. SALMONID FISH APPEAR TO BE MOST SENSITIVE

IN FISH. VALUES FOR SALTWATER ORGANISMS RANGE FROM 0.94 TO 18.3 MG/L FOR INVERTEBRATES AND 0.32 TO 1.31 MG/L FOR MARINE FISH.

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

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 INCOMPLETE, INACCURATE, OR OTHERWISE INAPPROPRIATE

PRIATE.

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===== Regulatory Information =====
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SARA Title III Information:HAZARD CATOGORIES: IMMEDIATE AND DELAYED HEALTH HAZARD. SARA TITLE III, SECTION 313 THIS PRODUCT DOES NOT CONTAIN CHEMICAL(S) WHICH ARE DEFINED AS TOXIC CHEMICALS UNDER AND SUBJECT TO THE REPORTING RE QUIREMENTS OF, SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 986 AND 40 CFR PART 372. AMMONIA. SARA TITLE III, SECTION 302 THIS PRODUCT

DOES NOT CONTAIN CHEMICAL(S) AS INDICATED BELOW, CURRENTLY ON THE EXTREMELY HAZARDOUS SUBSTANCE LIST, SECTION 302, SARA TITLE III.
AMMONIA

State Regulatory Information:MASSACHUSETTS RIGHT TO KNOW THIS PRODUCT DOES CONTAIN THE FOLLOWING CHEMICALS, AS INDICATED BELOW, CURRENTLY ON THE MASSACHUSETTS RIGHT TO KNOW SUBSTANCE LIST. AMMONIA, BENZYL ALCOHOL. NEW JERSEY RIGH T TO KNOW. THIS PRODUCT DOES CONTAIN THE FOLLOWING CHEMICAL(S) AS INDICATED BELOW, CURRENTLY ON THE NE

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JERSEY RIGHT TO KNOW SUBSTANCE LIST. AMMONIA ANISOLE. PENNSYLVANIA ENVIRONMENTAL HAZARD. THIS PR ODUCT DOES CONTAIN FOLLOWING CHEMICAL(S) AS INDICATED BELOW, CURRENTLY ON THE PENNSYLVANIA ENVIRONM ENTAL HAZARD LIST. AMMONIA.

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