

ATOFINA CHEMICALS, INC. -- M5610, TURCO - HTC

=====
MSDS Safety Information
=====

FSC: 6850
NIIN: 01-272-1845
MSDS Date: 02/27/2001
MSDS Num: CLGCG
Product ID: M5610, TURCO - HTC
MFN: 01
Responsible Party
Cage: UO550
Name: ATOFINA CHEMICALS, INC.
Address: 2000 MARKET STREET
City: PHILADELPHIA, PA 191
03
Info Phone Number: 800-848-0085
Emergency Phone Number: 703-527-3887
Chemtrec IND/Phone: (800)424-9300
Proprietary Ind: Y
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: UO550
Name: ATOFINA CHEMICALS, INC.
Address: 2000 MARKET STREET
City: PHILADELPHIA, PA 19103
Phone: 800-848-0085
Cage: OPGK2
Name: SDB CONSULTANTS LTD
Address: 401 WHITNEY AVE SUITE 120
City: GRETNA LA 70056
Ph
one: 504-366-9105
Contract Number: SP0450-01-M-ZD31

=====
Item Description Information
=====

Item Manager: S9G
Item Name: CLEANING COMPOUND,ALKALI,FERROUS SURFACE
Unit of Issue: DR
Quantitative Expression: 00000000125LB
UI Container Qty: 0
Type of Container: DRUM

=====
Ingredients
=====

Name: ***

=====
Health Hazards Data
=====

Route Of Entry Inds - Inhalation: YES

Skin: YES

Effects of Exposure: BASED ON ITS COMPOSITION, IT IS ANTICIPATED TO BE CORROSIVE TO EYES AND SKIN. REPEATED CONTACT MAY CAUSE AN ALLERGIC SKIN REACTION. DERMATITIS (INFLAMMATION OF THE SKIN) AND SUPERFICIAL SKIN DAMAGE MAY RESULT FROM REPEATED OR PROLONGED CONTACT. DUST MAY BE CORROSIVE TO THE RESPIRATORY TRACT AND MAY CAUSE COUGHLING, SORE THROAT AND SHORTNESS OF BREATH. PROLONGED EXPOSURE MAY RESULT IN ULCERATION OF THE NASAL PASSAGES.

Medical Cond Aggravated By Exposure: MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL INCLUDE LUNG DISEASE OR LIMITED RESPIRATORY CAPACITY.

First Aid: IF IN EYES, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINS. GET MEDICAL ATTENTION IMMEDIATELY. IF ON SKIN, IMMEDIATELY FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING & SHOES. GET MEDICAL ATTENTION. 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.

=====
Handling and Disposal
=====

Spill Release Procedures: STOP THE LEAK, IF POSSIBLE. VENTILATE THE SPACE INVOLVED. CONTAIN, SWEEP UP, PLACE IN CONTAINER FOR DISPOSAL. SHUT OFF OR REMOVE ALL IGNITION SOURCES. PREVENT WATERWAY CONTAMINATION. CONSTRUCT A DIKE TO PREVENT SPREADING. COLLECT RUN-OFF & TRANSFER TO DRUMS OR TANKS FOR LATER DISPOSAL. CONSULT A REGULATORY SPECIALIST TO DETERMINE APPROPRIATE STATE OR LOCAL REPORTING REQUIREMENTS, FOR ASSISTANCE.

Waste Disposal Methods: RECOVER, RECLAIM OR RECYCLE WHEN PRACTICAL. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS. "SEE OTHER INFORMATION"

Handling And Storage Precautions: HANDLING: DO NOT GET IN EYES, ON SKIN OR CLOTHING. AVOID BREATHING DUST. KEEP CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED. EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES.

Other Precautions: STORAGE: STORE IN A COOL, DRY PLACE. AVOID EXCESSIVE HEAT. STORE OUT OF DI

RECT SUNLIGHT IN A COOL, WELL-VENTILATED PLACE.

=====
Fire and Explosion Hazard Information
=====

Extinguishing Media: USE WATER FOG OR WATER SPRAY.

Fire Fighting Procedures: FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO PRODUCTS OF COMBUSTION 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: DUST CLOUDS GENERATED DURING HANDLING AND/OR STORAGE CAN FORM EXPLOSIVE MIXTURES WITH AIR. NOTE: FOR ANY OPERATION INVOLVING THIS MATERIAL, USE ONLY CLASS 1 ELECTRICAL EQUIPMENT. ENSURE THAT ALL EQUIPMENT IS ADEQUATELY GROUNDED.

=====
Control Measures
=====

Respiratory Protection: AV

OID BREATHING DUST. WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED (SEE BELOW), USE NIOSH APPROVED RESPIRATORY PROTECTION EQUIPMENT APPROPRIATE TO THE MATERIAL AND/OR ITS COMPONENTS. CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT FOR GIVEN APPLICATION. OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH OR THE MANUFACTURER. FOR

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

EXPOSURE LEVELS BELOW

Protective Gloves: PROTECTIVE GLOVES, CONSULT GLOVE MANUFACTURER.

Eye Protection: WEAR A FACE SHIELD, CHEMICAL GOGGLES.

Other Protective Equipment: PROVIDE A SAFETY SHOWER. EYE FLUSHING EQUIPMENT. APPROPRIATE CHEMICAL RESISTANT PROTECTIVE CLOTHING

Work Hygienic Practices: RINSE IMMEDIATELY IF SKIN IS CONTAMINATED. WASH CONTAMINATED CLOTHING AND CLEAN PROTECTIVE EQUIPMENT BEFORE REUSE. WASH SKIN THOROUGHLY AFTER HANDLING. DESTROY CONTAMINATED SHOES.

Supplemental

Safety and Health: PRODUCT NAME: TURCO-HTC. CHEMICAL FAMILY:

STRONG ALKALI. CHEMICAL FORMULA: MIXTURE. PRODUCT USE: ALKALINE CLEANER.

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

HCC: B2

PH: (5% SOLUTION) > 12

Solubility in Water: SOLUBLE

Appearance and Odor: TAN, GRANULAR MIXTURE

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: AVOID EXCESSIVE HEAT. STORE OUT OF DIRECT SUNLIGHT IN A COOL, WELL-VENTILATED PLACE.

Materials To Avoid: STRONG ACIDS.

Hazardous Decomposition Products: NONE KNOWN

Hazardous Polymerization Indicator: NO

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

Toxicological Information: SODIUM METASILICATE: SINGLE EXPOSURE (ACUTE) STUDIES IND

ICATE THAT THIS MATERIAL IS SLIGHTLY TOXIC TO RATS IF SWALLOWED (LD50 800-1,349 MG/KG; CORROSIVE TO MUCOUS MEMBRANES OF THE GASTROINTESTINAL TRACT CAUSING VOMITING & BLEEDING) & CORROSIVE TO RABBIT EYES & SKIN (4-HR & 24-HR EXPOSURE). SODIUM HYDROXIDE: SINGLE EXPOSURE (ACUTE) STUDIES INDICATE THAT THIS MATERIAL IS SLIGHTLY TOXIC IF ABSORBED THROUGH THE SKIN (RAT LD50 1,350 MG/KG; DRY SODIUM HYDROXIDE) & CORROSIVE TO RABBIT EYES & SKIN. MANY PUBLICATIONS CONFIRM THAT THIS MATERIAL IS CORROSIVE TO ALL TISSUES.

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

Ecological: SODIUM HYDROXIDE: DATA FROM SEVERAL SPECIES OF FISH SHOWED A RANGE OF TOLERANCE (BROOK TROUT>SPOTFIN & LAKE EMERALD SHINERS>MINNOWS>MOSQUITOFISH>GOLDFISH) THAT WAS MOST LIKELY RELATED TO CHANGES IN THE PH PRODUCED BY ADDITION OF SODIUM HYDROXIDE TO THE WATER. THE MINIMUM LEthal CONCENTRATION FOR MINNOW. MAYFLY LARVAE & DAPHNIA WAS 100PPM & FOR CHIRONOMUS LARVAE, 700 PPM. TRISODIUM PHOSPHATE: THIS MATERIAL IS PRACTICALLY NON-TOXIC TO MOSQUITO FISH (LC50 151 MG/L), AFRICAN CATFISH (LC50 748 MG/L) & DAPHNIA MAGNA (LC50>52 MG/L). SURFACTANT: THIS MATERIAL IS SLIGHTLY TOXIC TO DAPHNIA MAGNA (48-HR LC50 52-99 MG/L).

=====
MSDS Transport Information
=====

Transport Information: DOT NAME: CORROSIVE SOLID, BASIC, INORGANIC, NOS. DOT TECHNICAL NAME: (SODIUM HYDROXIDE, SODIUM METASILICATE). DOT HAZARD CLASS: 8. UN NUMBER: 3262. DOT PACKING GROUP: PG II. RQ: 1000 LBS. (SODIUM HYDROXIDE).

=====
Regulatory Information
=====

Sara Title III Information: HAZARD CATEGORIES UNDER CRITERIA OF SARA TITLE III RULES (40 CFR PART 370)" IMMEDIATE (

ACUTE) HEALTH-Y; DELAYED (CHRONIC)

HEALTH-N; FIRE-N; REACTIVE-N, SUDDEN RELEASE OF PRESSURE-N. SARA REPORTABLE QUANTITIES: SODIUM HYDROXIDE-1000 LBS. TRISODIUM ORTHOPHOSPHATE-5000 LBS.

Federal Regulatory Information: SODIUM METASILICATE, SODIUM HYDROXIDE, TRISODIUM ORTHOPHOSPHATE AND PROPRIETARY SURFACTANT: ARE IDENTIFIED AS HAZARDOUS CHEMICALS ACCORDING TO THE CRITERIA OF THE OSHA COMMUNICATION STANDARD (29 CFR 1910.1200). THIS MATERIAL IS CLASSIFIED AS HAZARDOUS UNDER FEDERAL OSH

REGULATIONS. THE COMPONENTS OF THIS PRODUCT ARE ALL ON THE TSCA INVENTORY LIST.

State Regulatory Information: MASSACHUSETTS RIGHT TO KNOW: SODIUM HYDROXIDE, TRISODIUM ORTHOPHOSPHATE. PENNSYLVANIA ENVIRONMENTAL HAZARD: SODIUM HYDROXIDE, TRISODIUM ORTHOPHOSPHATE. PENNSYLVANIA RIGHT TO KNOW: SODIUM HYDROXIDE, TRISODIUM ORTHOPHOSPHATE.

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

Other Information: DI

SPOSAL: NOTE-CHEMICAL ADDITIONS TO, PROCESSING OF, OR OTHERWISE ALTERING THIS MATERIAL MAY MAKE THIS WASTE MANAGEMENT INFORMATION INCOMPLETE, INACCURATE, OR OTHERWISE INAPPROPRIATE. FURTHERMORE, STATE & LOCAL WASTE DISPOSAL REQUIREMENTS MAY BE MORE RESTRICTIVE OR OTHERWISE DIFFERENT FROM FEDERAL LAWS & REGULATIONS. **CLEANUP PROCEDURES: TRANSFER TO CONTAINERS IN PREPARATION FOR LATER DISPOSAL. AVOID GENERATION OF VAPORS. PLACE IN NON-SPARKING CONTAINERS FOR RECOVERY OR DISPOSAL. REMOVE FROM SPILL LOCATION. DECONTAMINATE AREA.

=====
Transportation Information
=====

Responsible Party Code: UO550
Trans ID NO: 157727
Product ID: M5610, TURCO - HTC
MSDS Prepared Date: 02/27/2001
Review Date: 07/01/2001
MFN: 1
Net Unit Weight: 125 LB
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: DR
Container QTY: 0
Type Of Container: DRUM
=====

=====

Detail DOT Information

=====

DOT PSN Code: DYB
Symbols: G
DOT Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Hazard Class: 8
UN ID Num: UN3263
DOT Packaging Group: II
Label: CORROSIVE
Packaging Exception: 154
Non Bulk Pack: 212
Bulk Pack: 240
Max Qty Pass: 15 KG
Max Qty Cargo: 50 KG
Vessel Stow Req: B

=====

Detail IMO Information

=====

=====

IMO PSN Code: ETE
IMO Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. o
IMDG Page Number: 8150-1
UN Number: 3263
UN Hazard Class: 8
IMO Packaging Group: I/II/III
Subsidiary Risk Label: -
EMS Number: 8-15
MED First Aid Guide NUM: 760

=====

Detail IATA Information

=====

IATA PSN Code: HMR
IATA UN ID Num: 3263
IATA Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. *
IATA UN Class: 8
IATA Label: CORROSIVE
UN Packing Group: II
Packing Note Passenger: 814
Max Quant Pass: 15KG
Max Quant Cargo: 50KG
Packaging Note Cargo: 816

=====

Detail AFI Information

=====

AFI PSN Code: HNG
AFI Symbols: *
AFI Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
AFI Hazard Class: 8
AFI UN ID NUM: UN3263
AFI Packing Group: II
Special Provisions: P5
Back Pac

k Reference: A12.4

=====

HAZCOM Label

=====

Product ID: M5610, TURCO - HTC

Cage: UO550

Assigned IND: Y

Company Name: ATOFINA CHEMICALS, INC.

Street: 2000 MARKET STREET

City: PHILADELPHIA, PA

Zipcode: 19103

Health Emergency Phone: 703-527-3887

Label Required IND: Y

Date Of Label Review: 07/01/2001

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANG

ER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Severe

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TAN, GRANULAR MIXTURE. DANGER! CAUSES EYE & SKIN BURNS. MAY CAUSE BLINDNESS. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of Ameri

ca should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.