

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

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MSDS Safety Information

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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

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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

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Contractor Summary

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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

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Item Description Information

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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

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Ingredients

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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.

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Fire and Explosion Hazard Information

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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 APPR OVED OR EQUIVALEN

T). 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 EQUIP MENT IS ADEQUATELY GROUNDED.

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Control Measures

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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 T O 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.

Supplem

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

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

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Physical/Chemical Properties

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HCC: B2

PH: (5%SOLUTION)>12

Solubility in Water: SOLUBLE

Appearance and Odor: TAN, GRANULAR MIXTURE

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Reactivity Data

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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

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Toxicological Information

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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 TRA CT
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 T HROUGH
THE SKIN (RAT LD50 1,350 MG/KG; DRY SODIUM HYDROXIDE) & CORROSIVE TO
RABBIT EYES & SKIN. MANY PUBLICATIONS CONF
IRM THAT THIS MATERIAL IS
CORROSIVE TO ALL TISSUES.

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Ecological Information

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Ecological: SODIUM HYDROXIDE: DATA FOM 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 LE
THAL CONCENTRATION FOR MINNOW. MAYFLY LARVAE & DAPHINIA 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) & DAPHINA MAGNA (LC50>52 MG/L). SURFACTANT:
THIS MATERIAL I S SLIGHTLY TOXIC O DAPHNIA MAGNA (48-HR LC50 52-99 MG/L).

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MSDS Transport Information

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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 HYD ROXIDE).

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Regulatory Information

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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

A 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.

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Other Information

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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.

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Transportation Information

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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
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Detail DOT Information

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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

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Detail IMO Information

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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

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Detail IATA Information

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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

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Detail AFI Information

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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

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HAZCOM Label

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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.

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