

TURCO PRODUCTS INC,SUB OF PENNWALT CORP -- TURCOFORM ETCHANT #9H --
6850-01-083-6293

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

Product ID:TURCOFORM ETCHANT #9H
MSDS Date:10/27/1995
FSC:6850
NIIN:01-083-6293
MSDS Number: BGKYT
=== Responsible Party ===
Company Name:TURCO PRODUCTS INC,SUB OF PENNWALT CORP
Address:7320 BOLSA AVENUE
Box:6200
City:WESTMINISTER
State:CA
ZIP:92684
Country:US
Info Phone Num:714
-890-3600
Emergency Phone Num:202-483-7616/800-424-9300(CHEMTREC)
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:SODIUM HYDROXIDE (SARA III)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 95%
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
E

PA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM HYDROSULFIDE (SARA III)
CAS:16721-80-5
RTECS #:WE1900000
Fraction by Wt: 5%
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SULFUR, MOLTEN
CAS:7704-34-9
RTECS #:WS4250000
Fraction by Wt: >5%

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute

and Chronic:EYE:CAUSE SEVERE BURNS,POSSIBLE
PERMANENT TISSUE DAMAGE AND POSSIBLE BLINDNESS. SKIN:SEVERE
IRRITATION,POSSIBLE CHEMICAL BURNS AND POSSIBLE PERMANENT TISSUE
DAMAGE. INHALATION: SEVERE IRRITATION AND POSSIBLE PERMANENT
DAMAGE TO UPPER RESPIRATORY TRACT. INGESTION: SEVERE DAMAGE TO
GASTROINTESTINAL TRACT.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure:SKIN:SEVERE IRRITATION. EYES:CORNEAL DAMAGE,
BLINDNESS. INHALATION:SEVERE IRRITATION. INGESTION:TISSUE DAMAGE.
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:FLUSH IMMEDIATELY W/LARGE AMOUNT OF WATER. SHOWER IF
POSSIBLE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES:FLUSH
W/WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. INHALATION:
MOVE TO

FRESH AIR. GET MD IF IRRITATION PERSISTS. INGESTION: GIVE
LARGE QUANTITY OF WATER/MILK. DO NOT INDUCE VOMITING. GET MEDICAL
ATTENTION.

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

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR
SURROUNDING FIRE.

Fire Fighting Procedures:USE SELF-CONTAINED RESPIRATORY PROTECTION.

Unusual Fire/Explosion Hazard:CONTACT WITH WATER AND REACTIVE
MATELS

LIKE AL,ZN,TIN ETC.MAY LEAD TO GENERATION OF HYDROGEN GAS.

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

Spill Release Procedures:WEAR APPROPRIATE PROTECTIVE EQUIPMENT. SHOVEL
DRY SPILL INTO DOT-APPROVED DRUMS FOR DISPOSAL. KEEP SPILL DRY
UNTIL AS MUCH AS POSSIBLE DUST BEEN SWEEPED UP AND SHOVELED INTO
DISPOSAL DRUMS. DO NOT ALLOW PRODUCT OR RINSE WATER INTO SEWER OR
WATERWAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:TRANSPORT & STORE IN CLOSED CONTAINERS
AT TEMPERATURES BELOW 130F.ALWAYS ADD CAUTIOUSLY TO COLD
WATER,W/AGITATION. HEAT EVOLVED.

Other Precautions:CAN FORM CARBON MONOXIDE UPON CONTACT W/FOOD &
BEVERAGE PRODUCTS IN ENCLOSED SPACES & CAN BE FATAL.FOLLOW
APPROPRIATE TANK ENTRY PROCEDURES(SEE ANSI Z117.1-1977).

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

Respiratory Protection:

FOR DUST OR MIST CONDITIONS, A NIOSH-APPROVED
RESPIRATOR FOR DUSTS AND MISTS IS ADVISED.

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

Protective Gloves:NEOPRENE

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety

and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:B1
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:NOT GIVEN
pH:13.5
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:APPRECIABLE
Appearance and Odor:MIXTURE OF WHITE AND YELLOW FLAKES, SULFUR ODOR.
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
CONTACT WITH STRONG ACIDS, REACTIVE METALS, ORGANIC MATERIALS.
Stability Condition to Avoid:HUMID AREAS.
Hazardous Decomposition Products:TOXIC HYDROGEN SULFIDE GAS, SULFUR OXIDES AND ACID GASES.

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

Waste Disposal Methods:1. TRANSFER TO RECLAIMING CENTER FOR RECYCLING OR REUSE IF POSSIBLE; 2. TRANSFER TO LICENSED HAZARDOUS WASTE TREATMENT OR DISPOSAL SITE FOR DISPOSITION UNDER APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AS HAZARDOUS WASTE.

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