

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.

=====

===== 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.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their party

cular situation.