

TURCO-PUREX INDUSTRIAL CORP SUB OF PENNWALT CORP -- FLURO-CHEK DEVELOPER NAD --  
6850-01-265-2743

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

Product ID:FLURO-CHEK DEVELOPER NAD

MSDS Date:02/19/1987

FSC:6850

NIIN:01-265-2743

MSDS Number: BJKTC

=== Responsible Party ===

Company Name:TURCO-PUREX INDUSTRIAL CORP SUB OF PENNWALT CORP

Address:7300 BOLSA AVENUE

City:WESTMINISTER

State:CA

ZIP:92684-3600

Country:US

Info Phone Num:714-890-3600

Emergency Phone Num:714-890-3647

CAGE:KO898

=== Contractor Identification ===

Company Name:TURCO PUREX INDUSTRIES SUB OF PENNWALT CORP

Address:7300 BOLSA AVENUE

Box:City:WESTMINISTER

State:CA

ZIP:92683-5211

Country:US

Phone:614-387-6200

CAGE:1JD46

Company Name:TURCO-PUREX INDUSTRIAL CORP SUB OF PENNWALT CORP

Address:7300 BOLSA AVENUE

Box:City:WESTMINISTER

State:CA

ZIP:92684-3600

Country:US

Phone:714-890-3600

CAGE:KO898

===== Composition/Information on Ingre

dients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 90%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:SILICA GEL

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: 1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:6 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3

ACGIH TL

V:10 MG/M3

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 3%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

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

LD50 LC50 Mixture:ORAL LD50 (RAT)=5840 MG/KG (ISOPROPANOL)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acut

e and Chronic:EYES: MODERATE TO SEVERE IRRITATION.

SKIN: MODERATE TO SEVERE IRRITATION, DRYING, DEFATTING. MAY BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS. INHALATION: VAPORS: MODERATE IRRITATION, DIZZINESS, HEADACHE . MIST: SEVERE RESPIRATORY IRRITATION, NAUSEA. INGESTION: SEVERE IRRITATION TO GASTROINTESTINAL TRACT, NAUSEA.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, SHORTNESS OF BREATH, HEADACHES, DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRATIONS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION MAY CAUSE NAUSEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS GIVE DRINK OF MILK OR WATER TO DILUTE. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:2

Upper Limits:8

Extinguishing Media:USE

WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:MATERIAL IS HIGHLY VOLATILE & READILY GIVES OFF VAPORS WHICH MAY TRAVEL TO DISTANT IGNITION SOURCES & FLASH BACK. CLOSED CONTAINERS IN HEAT OF FIRE MAY EXPLODE.

===== Accidental Release Measures ===

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Spill Release Procedures:CONTAIN SPILLAGE. ELIMINATE SOURCES OF IGNITION. STOP LEAK AT SOURCE IF SAFE. VENTILATE AREA. EVACUATE NONESSENTIAL PERSONNEL. PUMP LIQUID INTO DOT DISPOSAL DRUM. ABSORB REMAINING LIQUID ONTO INERT AB SORBENT & PLACE IN DOT DISPOSAL DRUM. WASH AREA.

Neutralizing Agent:DILUTE WITH WATER

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Handling and Storage

Handling and Storage Precautions:STORE IN DRY PROTECTED AREA AWAY FROM STRONG OXI

DIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES. EMPTY CONTAINERS MAY CONTAIN FLAMMABLE VAPORS.

Other Precautions:RELIEVE PRESSURE. COVER OPENINGS TO AVOID SPURTING. CLEAN EXTERIOR AND INTERIOR BY FLUSHING WITH SOLVENT. COLLECT FLUSHINGS FOR DISPOSAL. USE APPROPRIATE PROTECTIVE EQUIPMENT.

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Exposure Controls/Personal Protection

Respiratory Protection:IF TLV IS EXCEEDED, A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS, POSITIVE PRESSURE HOSE FULL FACE MASK IS RECOMMENDED. FOR LIMITED EXPOSURE, A FULL FACE MASK WITH ORGANIC VAPOR CARTRIDGE OR CA NISTER MAY BE USED. SEE 29 CFR 1910.134.

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

Protective Gloves:NATURAL RUBBER OR PVC GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HA

NDS & FACE WITH SOAP & WATER BEFORE

SMOKING OR EATING. IMMEDIATELY REMOVE CONTAMINATED CLOTHING.

Supplemental Safety and Health

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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Physical/Chemical Properties

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-128F,-89C

Vapor Pres:33

Vapor Density:2.0

Spec Gravity:0.8

Viscosity:2.1 CP (25C)

Evaporation Rate & Reference:1.6 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE

Appearance and O

Color: CLEAR LIQUID WITH FINE WHITE SUSPENDED PARTICLES -  
RUBBING ALCOHOL ODOR  
Percent Volatiles by Volume:90

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

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG ALKALI  
Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Products: INCOMPLETE COMBUSTION MAY YIELD CARBON  
MONOXIDE AND OTHER TOXIC 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.

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