

TECHNOLOGY CHEMICAL INC -- PHOS ZN-1 -- 6850-00-543-7050

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

Product ID:PHOS ZN-1
MSDS Date:10/01/1992
FSC:6850
NIIN:00-543-7050
MSDS Number: BPKNF
=== Responsible Party ===
Company Name:TECHNOLOGY CHEMICAL INC
Address:3718 GRAND AVE
Box:13268
City:OAKLAND
State:CA
ZIP:94661
Country:US
Info Phone Num:510-339-3066
Emergency Phone Num:510-339-3066
CAGE:2U663
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===== Composition/Information on Ingredients =====

Ingred Name:NITRIC ACID (SARA III)
CAS:7697-37-2
RTECS #:QU5775000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 PPM/4 STEL
ACGIH TLV:2 PPM/4 STEL; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PHOSPHORIC ACID (SARA III)
CAS:7664-38-2
RTECS #:TB630

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Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3/3 STEL
ACGIH TLV:1 MG/M3/3 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9293

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:A

CUTE: CONTACT WITH SKIN AND EYES MAY
CAUSE BURNS OR SEVERE IRRITATION. INHALATION OF VAPORS OR MISTS MAY
CAUSE RESPIRATORY TRACT IRRITATION. SWALLOWING MAY BE HARMFUL TO
THE GI TRACT. CHRONIC: PROLONGED OR REPEATED CONTACT MAY CAUSE
SKIN DAMAGE, BURNS; INHALATION MAY CAUSE BURNS TO THROAT, MOUTH AND
DIGESTIVE TRACT.

Explanation of Carcinogenicity:THIS PRODUCT'S INGREDIENTS ARE NOT FOUND
ON CARCINOGEN LISTS BY THE NTP OR IARC.

Effects of Overexposure:INHALED: COUGHING, WHIZZING,
SHORTNESS OF BREATH, CHEST PAIN. EYES: BURNING SENSATION, PAIN,
TEARING, BLURRED VISION, REDNESS. SKIN: REDNESS, PAIN,
BLISTERS, BURNS. SWALLOWED: CRAMPS, SEVERE STOMACH PAIN,
VOMITING, DIARRHEA, BURNS IN THROAT, MOUTH, AND DIGESTIVE TRACT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER FOR
SEVERAL MINUTES. WASH WITH SOAP AND WATER. EYES: FLUSH WITH LOTS OF
WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEE DOCTOR.
INGESTED: DO NOT INDUCE VOMITING. KEEP PERSON WARM AND QUIET. GET
IMMEDIATE MEDICAL ATTENTION. INHALED: REMOVE TO FRESH AIR. GIVE
RESPIRATORY SUPPORT AS NEEDED.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICAL
Fire Fighting Procedures:WATER SELF-CONTAINED BREATHING APPARATUS

S AND
BUNKER GEAR.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE CLOTHING AND EQUIPMENT.
USE INDUSTRIAL ABSORBENT TO SOAK UP SPILLED MATERIAL. SCOOP UP AND
PLACE IN A LABELED CONTAINER FOR LATER DISPOSAL. DO NOT FLUSH TO
SEWER. NEUTRALIZE IF NEEDED.

Neutralizing Agent:20% SODIUM BICARBONATE SOLUTION

===== Handling and Storage ==
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Handling and Storage Precautions:AVOID STRONG ALKALIS.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR DURING
EMERGENCIES; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ACID MIST
CARTRIDGE OR SCBA. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NEOPRENE, NITRILE, OR RUBBER

Eye Protection:

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:APRON, RUBBER BOOTS. HMIS: EYE WASH STATION
& SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health
NONE.

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

HCC:C1

Spec Gravity:1.42

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, GREEN, LIQUID WITH ACID ODOR

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG ALKALIS

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER. HMIS:
CONTACT WITH INCOMPATIBLES.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MANUFACTURER RECOMMENDS DISPOSAL AT A
PERMITTED HAZARDOUS
WASTE MANAGEMENT FACILITY.

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