

AKZO CHEMICALS INC (FORMERLY STAUFFER CHEMICAL CO) -- ORTHOPHOSPHORIC  
ACID,TECHNICAL -- 6810-00-823-8004

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

Product ID:ORTHOPHOSPHORIC ACID,TECHNICAL

MSDS Date:01/01/1985

FSC:6810

NIIN:00-823-8004

MSDS Number: BFRBL

=== Responsible Party ===

Company Name:AKZO CHEMICALS INC (FORMERLY STAUFFER CHEMICAL CO)

Address:300 S. RIVERSIDE PALZA

City:CHICAGO

State:IL

ZIP:60

606

Country:US

Info Phone Num:312-906-7850/312-906-7522

Emergency Phone Num:312-906-7054/CHEMTREC 800-424-9300

CAGE:1F176

=== Contractor Identification ===

Company Name:AKZO CHEMICALS INC

Address:STATE RT 2

Box:1712

City:GALLIPOLIS FERRY

State:WV

ZIP:25515-1721

Country:US

Phone:304-675-1150

CAGE:1F176

Company Name:AKZO NOBEL CHEMICALS INC

Address:300 S. RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-6613

Country:US

Phone:312-906-7500 TECH: 800-828-792

CAGE:97854

Company Name:CONTINENTAL CHE

M CORP  
Address:1330 BEECH STREET  
Box:City:TERRE HAUTE  
State:IN  
Country:US  
CAGE:23894

=====  
Composition/Information on Ingredients  
=====

Ingred Name:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 1530 MG/KG (PHOSP. AC.)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: CORROSI

VE. CAN CAUSE BURNS OR

DESTRUCTION OF EXPOSED TISSUE. EXTENSIVE BURNS MAY BE FATAL.  
INHALATION MAY CAUSE PULMONARY EDEMA. CHRONIC: PERMANENT EYE  
DAMAGE, BLINDNESS. PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS OR  
SKIN TISSUE DESTRUCTION.

Effects of Overexposure:SEVERE IRRITATION AND BURNS TO ALL TISSUES  
CONTACTED. EYES/SKIN: BURNING SENSATION. INHALATION: RESPIRATORY  
TRACT IRRITATION, BREATHING DIFFICULTY. INGESTION: BURNING  
SENSATION OF GASTROINTESTINAL SYS TEM, PAIN,

NAUSEA, VOMITING,  
BLOODY DIARRHEA, CONVULSION. IN SEVERE CASES, COLLAPSE AND DEATH.

Medical Cond Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED  
IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING OF MISTS MAY  
AGGRAVATE ACUTE OR CHRONIC ASTHMA OR OTHER RESPIRATORY DISEASES.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15  
MINUTES. SEE DOCTOR. SKIN: FLUSH WITH PLENTY OF SOAP AND WATE

R

WHILE REMOVING CONTAMINATED CLOTHING UNDER THE SHOWER. CONTINUE  
WASHING WITH WATER. SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR.  
GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE  
VOMITING. DILUTE ACID WITH LARGE QUANTITIES OF WATER OR MILK. SEE  
DOCTOR.

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

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR  
REGULAR FOAM.

Fire Fighting Procedures:SELF-CONTAINED

BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. Unusual Fire/Explosion Hazard:PHOSPHORIC ACID CAN REACT WITH METALS TO PRODUCE FLAMMABLE AND EXPLOSIVE HYDROGEN GAS. PHOSPHORIC ACID FUMES ARE CORROSIVE.

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

Spill Release Procedures:REMOVE PERSONNEL. VENTILATE. WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SLOWLY NEUTRALIZE WITH CHEMICAL AGENTS. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER. Neutralizing Agent:SODA ASH, SODIUM BICARBONATE, OR LIME.

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA, AWAY FROM YELLOW OR RED LABEL ITEMS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. CORROSIVE TO MILD STEEL AND ALUMINUM. Other Precautions:WHEN HANDLING THIS PRODUCT WEAR PROTECTIVE CLOTHING AND EQUIPMENT. WHEN DILUTING, ALWAYS ADD ACID SLOWLY TO WATER. STIR WELL TO AVOID SPATTERING. NEVER ADD WATER TO ACID.

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

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR FOR ACID MISTS WHEN HANDLING SPILLS OR LEAKS, OR WHEN AIRBORNE CONCENTRATIONS EXCEED EXPOSURE LIMITS.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW OSHA'S PEL.

Protective Gloves:NEOPRENE, NITRILE OR RUBBER.

Eye Protec

tion:SAFETY GOGGLES AND FULL FACE SHIELD.

Other Protective Equipment:INDUSTRIAL-TYPE WORK CLOTHING AND APRON, HARD HAT, RUBBER BOOTS, SAFETY SHOWER, EYE WASH FOUNTAIN.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS. WASH HANDS AND FACE AFTER USE. KEEP CONTAINERS CLOSED WHEN NOT IN

USE. NOTE: THIS IS A PRE-HCS MSDS. CONSIDERABLE EDITING W  
AS DONE BY DGSC-SSH.

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

HCC:C1

Boiling Pt:B.P. Text:275F,135C

Vapor Pres:15

Spec Gravity:1.58

pH: