

FISHER SCIENTIFIC CO CHEMICAL DIV. -- PHOSPHORUS PENTOXIDE CAT NUMBER A245100 --
6810-00-275-8138

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

Product ID:PHOSPHORUS PENTOXIDE CAT NUMBER A245100

MSDS Date:09/27/1991

FSC:6810

NIIN:00-275-8138

MSDS Number: BPBLB

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Pho

ne Num:201-796-7100

Emergency Phone Num:201-796-7100 OR 201-796-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:PHOSPHORU

S PENTOXIDE (SARA III)

CAS:1314-56-3

RTECS #:TH3945000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:INH LC50 (RAT) IS 1217 MG/CUM/1 HR

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

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

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE CAUSE SEVERE

RESPIRATORY TRACT IRRITATION OR PULMONARY EDEMA. MAY CAUSE SEVERE IRRITATION OR BURN

S OF SKIN AND EYES ON CONTACT. MAY CAUSE LOSS OF

SIGHT ON CONTACT. MAY CAUSE SEVERE GI TRACT IRRITATION; BURNS TO MOUTH, THROAT AND ESOPHAGUS. CHRONIC: EROSION OF TEETH, CONJUNCTIVITIS, MOUTH ULCERS.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH, DIZZINESS, HEADACHE, NAUSEA, WEAKNESS. EYES: PAIN, BURNING SENSE

ION, REDNESS, TEARING, BLURRED VISION. SKIN: BURNS, REDNESS,

PAIN. BROWN OR YELLOW STAIN SKIN. INGESTED: SEVERE STOMACH APIN, SORE THROAT, SEVERE THROAT PAIN, NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. GET IMMEDIATE MEDICAL HELP. EYES: FLUSH WITH LOTS OF WATER FOR 1

5 MINUTES, HOLDING EYELIDS OPEN. GET IMMEDIATE

MEDICAL HELP. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF BURNED, GET IMMEDIATE MEDICAL HELP. INGESTED: IF CONSCIOUS, GIVE LOTS OF WATER OR MILK. GET IMMEDIATE MEDICAL HELP.

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

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE

Fire Fighting Procedures:WEAR SCBA AND PROTECTIVE CLOTHING. DO NOT GET WATER INSIDE CONTAINER. DO

NOT GET SOLID STREAM OF WATER ON MATERIAL. MOVE CONTAINER AWAY FROM AREA IF NOT AT RISK
Unusual Fire/Explosion Hazard:DO NOT USE WATER ON THIS MATERIAL; IT REACTS VIOLENTLY, GIVING OFF HEAT. KEEP UPWIND AT ALL TIMES. CORROSIVE AND TOXIC FUMES PRODUCED.

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

Spill Release Procedures:KEEP COMBUSTIBLES AND INCOMPATIBLES AWAY. ISOLATE AND DENY ENTRY. DO NOT USE WATER ON THIS MATERIAL. STOP LEAK IF CAN BE DONE AT NO RISK. CONTAIN SPILL. CLEAN UP ONLY UNDER SUPERVISION OF AN EXPERT.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, VENTILATED AREA. STORE UNDER INERT ATMOSPHERE. STORE AWAY FROM INCOMPATIBLES.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respirator
y Protection:USE NIOSH/MSHA APPROVED RESPIRATOR IF ENGINEERING CONTROLS FAIL OR IN AN EMERGENCY. IF RESPIRATORY PROTECTION IS USED; A PROGRAM IN ACCORDANCE WITH 29 CFR 1910.134 MUST BE IMPLEMENTED .
Ventilation:PROCESS ENCLOSURE RECOMMENDED TO MEET PUBLISHED EXPOSURE LIMITS.
Protective Gloves:PVC OR NEOPRENE
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:IMPERVIOUS CLOTHING TO PREVENT ANY CONTACT WITH THIS MATERIAL. EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health

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

HCC:C1
Boiling Pt:B.P. Text:572F,300C
Melt/Freeze Pt:M.P/F.P Text:1076F,580C
Vapor Pres:1 MM HG
Spec Gravity:2.39
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE, SOFT, FLUFFY, VERY DELIQUESCENT, MONOCLINIC/HEXAGONAL CRYSTALS OR POWDER

=====

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

Stability Indicator/Materials to Avoid: YES

WATER, AMMONIA, STRONG OXIDIZING AGENTS, ORGANICS PLUS WATER, SODIUM AND SODIUM COMPOUNDS, FORMIC ACID.

Stability Condition to Avoid: CONTACT WITH INCOMPATIBLES. GIVES OFF ACID FUMES ON CONTACT WITH WATER.

Hazardous Decomposition Products: TOXIC AND CORROSIVE PHOSPHORIC ACID MAY BE PRODUCED.

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

Waste Disposal Method

ds: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REPORTABLE QUANTITY= 1 POUND.

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 particular situation.