

J.T.BAKER CHEMICAL CO. -- PHOSPHORUS PENTOXIDE -- 6810-00-275-8138

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Product Identification  
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Product ID:PHOSPHORUS PENTOXIDE

MSDS Date:05/01/1989

FSC:6810

NIIN:00-275-8138

MSDS Number: BQCRF

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:201-859-2

151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients  
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Ingred Name:PHOSPHORUS PENTOXIDE (SARA III)

CAS:1314-56-3

RTECS #:TH3945000

Fractio

n by Wt: 99-100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE CONTACT: SEVERE IRRITATION OR BURNS. PROLONGED CONTACT MAY CAUSE PERMANENT CORNEAL DAMAGE AND BLINDNESS MAY OCCUR. SKIN CONTACT: SEVERE IRRITATION OR BURNS.

INHALATION:

IRRITATION OF UPPER RESPIRATORY TRACT. INGESTION:

SEVERE BURNS, ULCERATION OF MOUTH, THROAT, STOMACH. NAUSEA, VOMITING.

Explanation of Carcinogenicity:STATED IN THE MSDS.

Effects of Overexposure:SEE HEALTH HAZARDS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN CONTACT: IMMEDIATELY FLUSH

SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. INHALATION:

REMOVE VICTIM TO FRESH AIR. CALL A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER. CALL A PHYSICIAN.

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

Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH

FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:A VIOLENT EXOTHERMIC REACTION OCCURS WITH WATER. SUFFICIENT HEAT MAY BE PRODUCED TO IGNITE COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER. REMOVE

FROM AREA.

FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE AWAY FROM WATER OR LOCATIONS WHERE WATER MAY BE USED TO EXTINGUISH FIRE. STORE IN A COOL, WELL VENTILATED AREA.

Other Precautions:STORE AWAY FROM SOURCES OF HEAT, FLAME, OR IGNITION. KEEP MATERIAL DRY, REACTION WITH WATER CAN GENERATE SUFFICIENT HEAT

TO IGNITE MATERIALS THAT BURN. OPEN CONTAINER CAREFULLY. WAER GOGGLES, FACE SHIELD, PROTECTIVE CLOTHING WHEN HANDLING.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, A DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation:USE ADEQUATE GENERAL OR LOCAL VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES AND FACE SHIELD

Other Protective Equipment:FULL PROTECTIVE CLOTHING

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

Supplemental Safety and Health

DANGER: CAUSES BURNS, REACTS VIOLENTLY WITH WATER. MAY GENERATE SUFFICIENT HEAT TO IGNITE COMBUSTIBLE MATERIALS. DO NOT GET IN

EYES, ON SKIN, ON CLOTHING. DO NOT BREATHE DUST. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION.WASH THOROUGHLY AFTER HANDLING.

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

HCC:C1

Melt/Freeze Pt:=-360.C, 680.F

Vapor Density:4.9(AIR=1)

Spec Gravity:2.38 (WATER=1)

Solubility in Water:DECOMPOSES

Appearance and Odor:SOLID WHITE CRYSTALS, ACID ODOR

Percent Volatiles by Volume:0

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

Stab

ility Indicator/Materials to Avoid:YES

WATER, AMMONIA, SODIUM , POTASSIUM, STRONG BASES, MOST COMMON METALS,  
HYDROGEN FLUORIDE, ALCOHOLS.

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:OXIDES OF PHOSPHORUS

Conditions to Avoid Polymerization:MOISTURE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. (REPORTABLE QUANTITY=1 LB.)

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