

OCTAGON PROCESS,INC. -- O-O-670B CLASS 2,ORTHOPHOSPHORIC ACID -- 6810-00-823-8004  
===== Product Identification =====

Product ID:O-O-670B CLASS 2,ORTHOPHOSPHORIC ACID

MSDS Date:11/13/1991

FSC:6810

NIIN:00-823-8004

MSDS Number: BFRBK

=== Responsible Party ===

Company Name:OCTAGON PROCESS,INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-9400

Emergen

cy Phone Num:201-945-9400,800-424-9300(CHEMTREC)

Preparer's Name:J.J.BURGARD(201-313-1187)

CAGE:DO973

=== Contractor Identification ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

Box:City:EDGEWATER

State:NJ

ZIP:07020

Country:US

Phone:201-945-9400

CAGE:82925

Company Name:OCTAGON PROCESS,INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Phone:201-945-9400

CAGE:DO973

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

Ingred Name:PHOSPHOR

IC ACID (SARA III)  
CAS:7664-38-2  
RTECS #:TB6300000  
Fraction by Wt: 75.0%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3/3 STEL  
ACGIH TLV:1 MG/M3/3 STEL; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 25.0%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1530 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: BURNS, SEVERE IRRITATION, POSSIBLE BLINDNESS. SKIN: SEVERE IRRITATION AND BURNS. INHALATION: IRRITATION TO NOSE, THROAT, UPPER RESPIRATORY TRACT, RESPIRATORY ARREST, COMA, EVEN DEATH. INGESTION: NAUSEA, VOMITING, ABDOMINAL PAIN, BURNS TO MOUTH,ESOPHAGUS,STOMACH AND LOWER GI TRACT,GASTRIC PERFORATION, PERITONITIS.  
Effects of Overexposure:EYES: IRRITATION, BURNS, BLINDNESS. SKIN: IRRITATION, BURNS. I  
NHALATION: IRRITATION OF THE NOSE, THROAT, UPPER RESPIRATORY TRACT. INGESTION: NAUSEA, VOMITING, ABDOMINAL PAIN, PAINFUL SWALLOWING, PROFUSE SALIVATION, BURNS TO MOUTH, ESOPHAGUS, STOMACH, LOWER GI TRACT.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNT OF WATER.GET MEDICAL ATTENTION.  
SKIN: REMOVE CONTAMINATED CLOTHING.FLUSH AREA WITH LARGE AMOUNT OF

WATER.COVER BURNS WITH STERILE DRESSINGS.GET MEDICAL ATTENTION.  
INHALATION: MOVE VICTIM TO FRESH AIR.IF NOT BREATHING GIVE CPR.IF  
BREATHING DIFFICULT GIVE OXYGEN.GET MEDICAL ATTENTION. INGESTION:  
DO NOT INDUCE VOMITING. GIVE VICTIM 4-8 OZ OF WATER. GET MEDICAL  
ATTENTION.

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

Flash Point:NONE

Extinguishing Media:EXTINGUISH WITH MEDIA SUITABLE FOR SURROUNDING  
FIRE; WATER SPRAY, FOG, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

Fire Fighting Procedures:USE SCBA AND FULL PROTECTIVE CLOTHING. THERMAL  
DECOMPOSITION WILL RELEASE TOXIC OXIDES OF PHOSPHORUS FUMES. KEEP  
FIRE-EXPOSED CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:DIKE AND CONTAIN SPILL. DO NOT ALLOW SPILL TO  
ENTER DRAINS SEWERS OR WATERWAYS. NEUTRALIZE WITH SODA ASH OR  
SODIUM BICARBONATE. ABSORB WITH INERT MATERIAL  
AND PLACE INTO  
PROPER CONTAINERS FOR DISPOSAL . COMPLY WITH ALL SPILL NOTIFICATION  
REGULATIONS.

Neutralizing Agent:SODA ASH, SODIUM CARBONATE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
PLACE AWAY FROM OXIDIZERS.KEEP CONTAINERS CLOSED WHEN NOT IN  
USE.PRODUCT IS CORROSIVE TO MILD STEEL AND ALUMINUM.

Other Precautions:STORE IN SUITABLE CONTAINERS (E.G. GLASS, FIBERGLASS,  
REINFORCED  
PLASTIC, OR POLYETHYLENE DRUMS).

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATORY PROTECTION (REFER  
TO 29 CFR 1910.120) IF WORKING IN CONFINED AREA, IF MISTING OR  
HEAVY VAPORS ARE EXPECTED, OR IF EXPOSURE MAY OR DOES EXCEED  
PERMISSIBLE EXPOSURE LIMITS (PEL).

Ventilation:MECHANICAL GENERAL AND LOCAL EXHAUST VENTILATION IS  
REQUIRED.

Protective Gloves:RUBBER,NEOPRENE.

Eye Protection:SAFETY GLASSES AND FACE

SHIELD IF NEEDED

Other Protective Equipment: RUBBER APRON IF SPLASHING IS EXPECTED. HAVE EYEWASH STATION AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THIS MATERIAL IS CORROSIVE. AVOID SKIN AND EYE CONTACT.

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

HCC: C1

Boiling Pt: B.P. Text: 290F, 143C

Spec Gravity: 1.6

pH: >2.0

Solubility

in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID. ODORLESS.

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

Stability Indicator/Materials to Avoid: YES

STRONG CAUSTIC MATERIALS, STRONG OXIDIZERS.

Stability Condition to Avoid: HIGH TEMPERATURES.

Hazardous Decomposition Products: AT FLAME TEMPERATURES, PRODUCT WILL  
EMIT TOXIC PHOSPHORUS OXIDE FUMES.

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

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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.