

OCTAGON PROCESS INC. -- PHOSPHORIC ACID,ORTHOPHOSPHORIC ACID,TECH --  
6810-00-264-6722

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

Product ID:PHOSPHORIC ACID,ORTHOPHOSPHORIC ACID,TECH

MSDS Date:11/14/1986

FSC:6810

NIIN:00-264-6722

MSDS Number: BDQWD

=== 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

Emergency Phone Num:201-945-9400

CAGE:82925

=== 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

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

Ingred Name:PHOSPHORIC ACID (SARA III)

CAS:7664-38-2

RTECS #:TB6300000

Fraction by Wt: 70 - 85%

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 Q

ty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: BALANCE

Other REC Limits:NONE SPECIFIED

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

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

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

Health Hazards Acute and Chronic:ACUTE- CAN CAUSE BURNS TO EXPOSED TISSUE.SLIGHTLY TOXIC WHEN INHALED/INGESTED.CHRONIC-IRRITATING TO UPPER RESPIRATORY TRACT.SLIGHTLY TOXIC WHEN INHALED/INGESTION.

Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION. MAY CAUSE COUGHING, WHEEZING AND OTHER DIFFICULTIES IN BREATHING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:GET MEDICAL AID.INHALATION:REMOVE TO FRESH AIR.EYE:IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15

MINUTES.SKIN:WASH WITH PLENTY OF WATER.REMOVE CONTAMINATED CLOTHING.INGESTION:DO NOT INDUCE VOMITING.IF CONSCIOUS,GIVE WATER TO DRINK.

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

Flash Point:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE TOXIC FUMES OF OXIDES OF PHOSPHORUS.

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

Spill Release Procedures:DIKE AREA AND NEUTRALIZE. SCOOP UP OR VACUUM UP. RINSE RESIDUAL TRACES WITH WATER. PRACTICALLY NON-TOXIC TO AQUATIC LIFE.

Neutralizing Agent:LIME, SODA ASH

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

Handling and Storage Precautions:STORE IN A CO

OL, DRY,WELL VENTILATED  
AREA.KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.CORROSIVE TO  
MILD STEEL AND ALUMINUM.

Other Precautions:SUITABLE CONTAINERS ARE GLASS, POLYETHYLENE LINED  
DRUMS, FIBERGLASS,REINFORCED PLASTIC, 316 STAINLESS STEEL, ETC..

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS.

Ventilation:NO SPECIAL REQUIREMENT.PR  
OVIDE SUFFICIENT LOCAL EXHAUST

VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:ACID GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

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 EYE

S OR ON CLOTHING. DO NOT BREATHE VAPORS OR

MISTS. WASH HANDS AND FACE AFTER USE. LAUNDER CONTAMINATED CLOTHING  
BEFORE REUSE.

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

HCC:C1

Boiling Pt:B.P. Text:266F,130C

Spec Gravity:1.5 - 1.7

Solubility in Water:INFINITE

Appearance and Odor:CLEAR,COLORLESS LIQUID-ODORLESS

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

Stability Indicator/Materials to Avoid:YES

REACTION WITH REACTIVE METALS MAY PRODUCE  
FLAMMABLE/EXPLOSIVE

HYDROGEN-AIR MIXTURES.

Stability Condition to Avoid:FLAMES

Hazardous Decomposition Products:MAY EMIT FUMES OF OXIDES OF  
PHOSPHORUS.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. LANDFILL  
SUITABLE AFTER PROPER NEUTRALIZATION.

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