

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

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===== 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

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===== 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. PROVIDE 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

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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