

OCTAGON PROCESS INC. -- HYDROCHLORORIC ACID -- 6810-00-236-5665

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Product Identification  
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Product ID:HYDROCHLORORIC ACID

MSDS Date:07/21/1992

FSC:6810

NIIN:00-236-5665

MSDS Number: BDLTP

=== 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

Preparer'

s Name:J.J. BURGARD

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  
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 31.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LB

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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: CORROSIVE! INHALATION CAN CAUSE  
COUGHING, CHOKING, & INFLAMATION OF THE RESPIRATORY TRACT.  
SWALLOWING CAN CAUSE BURNS TO MOUTH & G.I. TRACT. EYE CONTACT CAN  
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AUSE SEVERE BURNS & DAMAGE. SKIN CO NTACT CAN CAUSE SEVERE BURNS  
AND DEEP ULCERS & DISCOLOR SKIN. CHRONIC: CONCENTRATED VAPORS MAY  
CAUSE EROSION OF TEETH.  
Explanation of Carcinogenicity:DATA PER MSDS  
Effects of Overexposure:INFLAMATION OF THE NOSE, THROAT, UPPER  
RESPIRATORY TRACT, EYES, SKIN AND MUCOUS MEMBRANES. VERY CORROSIVE  
AND CAN CAUSE SEVERE BURNS AND DAMAGE. LONG TERM EXPOSURES SELDOM  
OCCUR DUE TO THE CORROSIVE P ROPERTIES OF THE ACID.  
Medical Cond Aggravated by Expos  
ure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL  
ATTENTION. S KIN:REMOVE CONTAMINATED CLOTHING. WASH WI  
TH SOAP AND  
WATER. GET IMMEDIATE MEDICAL ATTENTION. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY

CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WILL EMIT TOXIC GASES. CONTACT WITH COMMON METALS MAY FORM EXPLOSIVE HYDROGEN GAS

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

Spill Release Procedures:SMALL SPILL: FLUSH WITH WATER AND NEUTRALIZE WITH ALKALINE MATERIAL. SEWER NEUTRALIZED MATERIAL WITH EXCESS WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN RUN OFF. NEUTRALIZE & PICK UP WITH ABSORBENT MA

TERIAL.

Neutralizing Agent:SODA ASH, LIME OR OTHER SUITABLE ALKALINE MATERIAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE & DIRECT SUNLIGHT.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUA

TE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED FULL FACEPIECE CHEMICAL CARTRIDGE RESPIRATOR OR A SUPPLIED AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD.

Ventilation:A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURES BELOW THE TLV.

Protective Gloves:NEOPRENE OR RUBBER GLOVES

Eye

Protection:CHEMICAL SAFETY GOGGLES WITH FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. IMPERVIOUS BOOTS, APRON, OR COVERALLS AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. PROTECT FROM MOISTURE.

===== Ph

ysical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Vapor Pres:21

Vapor Density:1.26

Spec Gravity:1.16

pH: