

OCTAGON PROCESS INC. -- O-S-809E AM.1, TYPE 1, CLASS 2 -- 6810-01-031-4652  
===== Product Identification =====

Product ID:O-S-809E AM.1, TYPE 1, CLASS 2  
MSDS Date:08/02/1993  
FSC:6810  
NIIN:01-031-4652  
MSDS Number: BTRKL  
=== Responsible Party ===  
Company Name:OCTAGON PROCESS INC.  
Address:596 RIVER ROAD  
City:EDGEWATER  
State:NJ  
ZIP:07020-1105  
Country:US  
Info Phone Num:201-313-1187/FAX -1057 (CAROL)  
Eme  
rgency Phone Num:201-945-9400/800-424-9300(CHEMTREC)  
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

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

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 93-95%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 939

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingrid Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:CHRONIC: INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMON

ARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BURNS TO SKIN OR EYES. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC: MAY DAMAGE LUNGS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND THROAT. PULMONARY EDEMA, BRONICAL EMPHYSEMA, CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.

Medical Con

d Aggravated by Exposure:OPEN WOUNDWS AND SORES. RESPIRATORY AILMENTS SUCH AS EMPHYSEMIA AND BRONCHITIS.

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First Aid Measures  
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First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ADVICE. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:NO FIRE HAZARD.

Fire Fighting Procedures:COOL OUTSIDE OF CONTAINERS WITH WATER IF EXPOSED TO FIRE. DO NOT PERMIT WATER TO CONTACT ACID AS THIS WILL CAUSE SPLATTERING, OVERHEATING AND HIGHER CORROSION.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER. MAY CAUSE FIRE WHEN IN

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ONTACT WITH OTHER ORGANIC MATERIALS. WILL ATTACK SOME METALS  
RELEASING FLAMMABLE AND EXPLOSIVE HYDROGEN.

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

Spill Release Procedures:CONTAIN AND ZONE OFF CONTAMINATED AREA. DO NOT  
ALLOW SPILL TO ENTER DRAINS, SEWERS OR WATERWAYS. RECOVER  
FREE-LIQUID IF POSSIBLE. NEUTRALIZE RESIDUAL SPILL WITH SODA ASH OR  
SLAKE LIME. PLACE IN PROPER CONTAINERS FOR DISPOSAL.

Neutralizing Agent:SODA ASH OR SLAKE LIME.

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

Handling and Storage Precautions:STORE ONLY IN APPROVED CONTAINERS.  
AVOID ROUGH HANDLING OF DRUMS. VENT DRUMS WEEKLY.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT  
BREATHE VAPOR. KEEP IN TIGHTLY CLOSED CONTAINER. LOOSEN CLOSURE  
CAUTIOUSLY. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER  
HANDLING. IN CASE OF SPILL NEUTRALIZE WITH SODA ASH OR LIME.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION  
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH  
APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO  
MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL 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. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE VAPORS OR MISTS. "NO SMOKING" REGULATIONS MUST BE  
ENFORCED BECAUSE OF THE POSSIBLE PRESENCE OF HYDROGEN. NSN HAS BEE  
N CANCELLED WITHOUT A REPLACEMENT.

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

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HCC:C1

Boiling Pt:B.P. Text:535F,279C

Vapor Pres:< 0.5

Spec Gravity:1.8357

Evaporation Rate & Reference: