

OCTAGON PROCESS INC. -- MIL-C-87936 A TYPE II -- 6850-01-181-7178

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Product Identification  
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Product ID:MIL-C-87936 A TYPE II

MSDS Date:02/06/1992

FSC:6850

NIIN:01-181-7178

MSDS Number: BPKYP

=== Responsible Party ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-9400/201-313-1187

Emergency Phone Num:201-9

45-9400/800-424-9300(CHEMTREC)

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:2-BUTOXYETHANOL

CAS:111-76-2

RTECS #:KJ8575000

Fraction by Wt: 3 - 7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 50 PPM

ACGIH TLV:S, 25 PPM; 9293

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58

-3  
RTECS #:TT2100000  
Fraction by Wt: 4 - 8%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:HEAVY AROMATIC NAPHTHA/PETROLEUM DISTILLATE  
CAS:64741-67-9  
RTECS #:VG7067000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TALL OIL  
CAS:61790-12-3  
Other REC Limits:NONE RECOMMENDED

Ingred Name:DODECYLBENZENESULFONIC ACID (SARA III)  
CAS:27176-87-0  
RTECS #:DB6600000  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1000 LB  
S  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR POTASSIUM HYDROXIDE IS 2 MG/M3.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE & CHRONIC-EYES:WILL CAUSE  
REDNESS,IRRITATION,TEARING & BURNING SENSATIONS.SKIN:MAY CAUSE  
REDNESS/IRRITATIO  
N.INHALE:MAY CAUSE  
DYS/PNEA,COUGHING,HEADACHE,DIZZINESS,NAUSEA,PAIN &  
IRRITATION.ORAL:MAY CAUSE NAUSEA,VOMITING,DIARRHEA,PAIN &  
IRRITATION TO GI TRACT.CHRONIC-MAY CAUSE CONJUNCTIVITIS &  
DERMATITIS.  
Effects of Overexposure:WILL CAUSE EYE REDNESS, IRRITATION, TEARING &  
BURNING SENSATIONS. MAY CAUSE SKIN REDNESS, IRRITATION, DERMATITIS.  
INHALATION MAY CAUSE DYS/PNEA, COUGHING, HEADACHE, DIZZINESS,  
NAUSEA, PAIN & IRRITATION OF THE UPPER RESPIRATORY TRACT. ORAL:MAY  
CAU

SE NAUSEA, VOMITING, DIARRHEA, PAIN & IRRITATION TO GI TRACT.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS OR  
RESPIRATORY CONDITIONS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN.  
INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 4-8 OZ. OF WATER. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC  
Flash Point:210F,99C  
Extinguishing Media:WATER SPRAY OR FOG, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.  
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:NONE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. REMOVE SOURCES OF IGNITION. DIKE & CONTAIN SPILL. DO NOT ALLOW SPILLS TO ENTER DRAINS/WATERWAYS.NEUTRALIZE WITH MURIATIC ACID/SODIUM BISULFATE.ABSORB WITH INERT MATERIAL & PLACE IN CONTAINER FOR DISPOSAL.  
Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORAGE- STORE IN A COOL, DRY AREA AWAY FROM OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.  
Other Precautions:DO NOT BREATHE MISTS/VAPORS. KEEP AWAY FROM IGNITION SOURCES. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. KEEP AWAY FROM REACH OF CHILDREN. USE THIS PRODUCT ONLY AS DIRECTED - SEE MANUFACTURER'S DIRECTIONS.

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

Respiratory Protection:IF WORKING IN CONFINED AREAS, IF HEAVY MISTING  
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S EXPECTED OR IF EXPOSURE MAY OR DOES EXCEED PERMISSIBLE EXPOSURE LIMITS (PEL), USE NIOSH-APPROVED RESPIRATORY PROTECTION (REFER TO 29CFR 1910.134).

Ventilation:LOCAL/GENERAL

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING SHOULD BE WORN TO PREVENT SKIN CONTACT.EYE WASH AND SAFETY EQUIPMENT SHOULD BE AVAILABLE.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECO

MMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A OR B, SAME NSN.

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

HCC:B1

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:1

Spec Gravity:1.01

Solubility in Water:COMPLETE

Appearance and Odor:BROWN COLORED LIQUID - MILD ODOR

Percent Volatiles by Volume:34

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL

ACIDS, REACTIVE METALS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, SPARKS, ARC WELDING OR OTHER HIGH ENERGY SOURCES

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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