

OCTAGON PROCESS INC. -- MIL-H-5559 A AM,2,3005051 -- 9150-00-243-1987

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

Product ID:MIL-H-5559 A AM,2,3005051

MSDS Date:02/09/1999

FSC:9150

NIIN:00-243-1987

MSDS Number: BRSSH

=== 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

Emergency Phone Num:201-945-9400/201-417-1056

Resp. Party Other MSDS Num.:PRODUCT COD

E: 3005051

Preparer's Name:J. J. BURGARD

Chemtrec Ind/Phone:(800)424-9300

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

Contract Num:SP0450-99-W-7001

CAGE:82925

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

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS:107-21-1

RTECS #:KW2975000

= Wt:95.

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:C STEL39PPM,

A4,VAP96  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS,  
KIDNEYS, RESPIRATORY & GI TRACTS. ACUTE- EYES:WILL CAUSE IRRITATION  
AND CHEMICAL CONJUNCTIVITIS. SKIN:MAY CAUSE IRRITATION.  
PROLONGED/REPEATED CONTACT W  
ILL CAUSE DRYNESS AND DERMATITIS.  
INHALE:MAY CAUSE CNS STIMULATION FOLLOWED BY CNS DEPRESSION,  
DIZZINESS AND LIGHTHEDEDNESS. INGESTION::MAY CAUSE PAIN, NAUSEA AND  
VOMITING. MAY CAUSE CHRONIC KIDNEY DAMAGE WHICH CAN B E FATAL.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:DRYNESS, DIZZINESS, LIGHTHEADEDNESS,  
PAIN,NAUSEA AND VOMITING.  
Medical Cond Aggravated by Exposure:NO DATA AVAILABLE.

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

First Ai  
d:EYES-FLOOD WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION  
PERSISTS, GET IMMEDIATE MEDICAL ATTENTION. SKIN-WASH WITH MILD  
SOAP AND WATER. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL  
ATTENTION. INHAL ATION-MOVE VCITIM TO FRESH AIR. IF BREATHING HAS  
STOPPED, ADMINISTER ARTIFICIAL RESPIRATION (MOUTH-TO-MOUTH IS  
PREFERRED) - IF TRAINED, GET IMMEDIATE MEDICAL ATTENTION.  
INGESTION-INDUCE VOMITING. ADMI NISTER 4-8 OZ OF WATER TO DILUTE  
STOMACH CONTENTS, GET IMMEDIATE MEDI  
CAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:=111.C, 231.8F  
Lower Limits:3.2  
Extinguishing Media:WATER SPRAY/FOG, CARBON DIOXIDE, SAND, FOAM/DRY  
CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS  
COOL.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:DIKE AND CONTAIN SPILL. ABSORB PRODUCT WITH  
INERT MATERIAL AND PL

ACE INTO PROPER CONTAINER FOR DISPOSAL. DO NOT  
ALLOW ANY MATERIAL TO ENTER DRAINS, SEWERS OR WATER WAYS. COMPLY  
WITH ALL SPILL NOTIFICATION REGULATIONS. ALL RESPONSE ACTIVITIES  
MUST COMPLY WITH HAZPOWER (29CFR1910.120)

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL AREA AWAY FROM  
INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. DO NOT  
CONTAMINATE PRODUCT WITH WATER.

Other

Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING  
AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF  
CHILDREN. DO NOT INGEST. AVOID EYE AND SKIN CONTACT.

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

Respiratory Protection:IF WORKING IN CONFINED SPACE OR MISTING IS  
OCCURRING, USE NIOSH - APPROVED RESPIRATORY PROTECTION (29 CRR  
1910.134).

Ventilation:LOCAL EXHAUST: YES. GENERAL MECHANICAL: FAN.

Protective Gloves:RUBBER.

Eye Protection

ion:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:LOCAL EMERGENCY SHOWER AND EYE WASH STATION.

Work Hygienic Practices:WASH HANDS AND FACE AFTER HANDLING THIS  
MATERIAL. LAUNDER CONTAMINATED CLOTHING BEFORE RESUE. ALL USERS  
SHOULD CONSULT MSDS BEFORE HANDLING.

Supplemental Safety and Health

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=171.C, 339.8F

Vapor Pres:0.60

Vapor Density:2.1

Spec Gravity

:1.12

Evaporation Rate & Reference: