

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

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

Product ID:MIL-C-87936A TYPE II AIRCRAFT CLEANING COMPOUND

MSDS Date:01/25/1993

FSC:6850

NIIN:01-181-7178

MSDS Number: BSYNH

=== 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

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

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

Ingred Name:2-BUTOXYETHANOL (SARA III)

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; 939

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; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 2-4% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Ingred Name:HEAVY AROMATIC NAPHTHA
CAS:64742-94-5
RTECS #:WF3100000
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 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TALL

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

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:WILL CAUSE EYE IRRITATION. PROLONGED
OR REPEATED EYE CONTACT MAY CAUSE CHEMICAL CONJUNCTIVITIS. MAY
CAUSE SKIN IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE
C
ONTACT DERMATITIS. INHALATION M AY CAUSE DYSPNEA AND TACHYPNEA,
UPPER RESPIRATORY TRACT IRRITATION, CNS EFFECTS. INGESTION MAY
CAUSE GI DISTURBANCES.
Explanation of Carcinogenicity:COMPLEX MIXTURES OF AROMATIC
HYDROCARBONS CONTAINING PNAS HAVE CAUSED CANCER IN LABORATORY
ANIMALS.
Effects of Overexposure:EYE IRRITATION/TEARING/BURNING SENSATIONS, SKIN
IRRITATION/REDNESS/DEFATTING, DERMATITIS, DYSPNEA, TACHYPNEA,
COUGHING, HEADACHE, DIZZINESS, NAUSEA, PAIN, UPPER RESPIRATOR
Y
TRACT IRRITATION, VOMITING, DIARRHEA, GI TRACT IRRITATION.
Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY CONDITIONS
MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF
WATER FOR 15 MINUTES.
GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE 4-8
OZ OF WATER TO DILUTE IF CONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point Method:PMCC
Flash Point:210F,99C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WATER SPRAY OR FOG, FOAM, DRY CHEMICAL OR CARBON
DIOXIDE
Fire Fighting Procedures:KEEP FIRE-EXPOSED CONTAINERS COOL WITH WATER
SPRAY.
Unusu

al Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:CONTAIN SPILL. ISOLATE ALL IGNITION SOURCES.
DO NOT ALLOW SPILLED MATERIAL TO ENTER DRAINS, SEWERS OR WATERWAYS.
NEUTRALIZE SPILL WITH MURIATIC ACID OR SODIUM BISULFATE SOLUTION.
ABSORB WITH INERT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.
Neutralizing Agent:MURIATIC ACIDS

===== Handling and Storage =====
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Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM
OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. CLEAN
CONTAMINATED EQUIPMENT BEFORE STARTING REPAIR WORK.
Other Precautions:USE THIS PRODUCT ONLY AS DIRECTED.

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

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

Ventilation:USE FORCED AIR VENTILATION TO MINIMIZE VAPOR CONCENTRATIONS
IN THE WORK PLACE.

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:REQUIRED

Other Protective Equipment:FULL-COVER SHIRT AND PANTS TO MINIMIZE SKIN
EXPOSURE. USE FACE SHIELD AND RUBBER APRON WHEN HEAVY MISTING IS
EXPECTED.

Work Hygienic Practices:WASH HANDS AND FACE AFTER HANDLING THIS
MATERIAL. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID SKIN/EYE CONTACT. AVOID BREATHING VAPORS/MIST. USE THIS PRODUCT
WITH ADEQUATE VENTILATION ONLY. ALL USERS SHOULD CONSULT MSDS
BEFORE HANDLING THIS MATERIAL.

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

HCC:B3

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

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:< 1

Vapor Density:> 1

Spec Gravity:1.02

Evaporation Rate & Reference:< 1 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:BROWN COLORE

D LIQUID, MILD ODOR
Percent Volatiles by Volume:80%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

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

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIR

ONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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