

OCTAGON PROCESS INC. -- MIL-I-27686E INHIBITOR, ICING, FUEL SYSTEMS -- 6850-00-060-5312  
===== Product Identification =====

Product ID:MIL-I-27686E INHIBITOR, ICING, FUEL SYSTEMS

MSDS Date:08/04/1989

FSC:6850

NIIN:00-060-5312

MSDS Number: BCWQS

=== 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

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-METHOXYETHANOL (EGME) (SARA III)

CAS:109-86-4

RTECS #:KL5775000

Fraction by Wt: >95%

Other REC Limits:NONE

OSHA PEL:S, 25 PPM

ACGIH TLV:S, 5 PPM; 9192

RTECS #:9999999ZZ

Ingred Name:2,6 DITERTIA

RY BUTYL,4-METHYLPHENOL;OR 2,4  
DIMETHYL,6-TERTIARY BUTYLPHENOL; OR  
RTECS #:9999999ZZ

Ingred Name:2,6 DITERTIARY BUTYLPHENOL; OR MIXED TERTIARY BUTYLPHENOL  
COMPOSITION)  
RTECS #:9999999ZZ

Ingred Name:ANTIOXIDANT,(RANGE 50-150 PPM) SEE ABOVE FOR OPTIONS  
PERMITTED BY SPEC.

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

LD50 LC50 Mixture:LD50 (ORAL RAT) = 2460 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:EYE/SKIN/RESPIRATORY TRACT:

IRRITATION. EXPOSURE CAN CAUSE CONJUNCTIVITIS, RENAL DISORDER.

CHRONIC EXPOSURE MAY CAUSE INJURY TO BONE MARROW AND BLOOD CELLS,  
KIDNEY, LIVER, AND TESTES. WOMEN OF CHIL DBEARING POTENTIAL SHOULD  
CONSULT THEIRPHYSICIANS AND LIMIT EXPOSURE.

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

Effects of Overexposure:IRRITATION OF EYE, SKIN, AND RESPIRATORY TRACT

MATERIAL MAY CAUSE HEADACHE, DIZZINESS, INCOORDINATION, PROSTRATION  
AND DEATH. INHALATION MAY CAUSE LOSS OF APPETITE, TREMORS, FATIGUE.

Medical Cond Aggravated by Exposure:EYE/SKIN/RESPIRATORY DISORDERS SUCH  
AS ASTHMA MAY BE AGGRAVATED.

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

First Aid:SKIN:WASH W.SOAP & H\*2O EYES:FLUSH W. H\*2O. INGESTED:GIVE 2  
GLASSES H\*2O; INDUCE VOMITING.CALL A PHYSICIAN. INHALE:REMOVE TO  
FRESH AIR. GIVE CPR/OXYGEN IF NEED.

KEEP WARM & QUIET. REMOVE

CONTAMINATED CLOTHING. IF UNCONS DO NOT TAKE ANYTHING BY MOUTH.

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

Flash Point Method:TCC

Flash Point:103F,39C

Autoignition Temp:Autoignition Temp Text:545F

Lower Limits:1.8

Upper Limits:14

Extinguishing Media:SM:CO\*2, DRY CHEM. LG:H\*2O SPRAY,FOG OR FOAM

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

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

Spill Rele

ase Procedures:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.WEAR PROTECTIVE CLOTHING & EQUIPMENT.EVACUATE PERSONNEL.ELIMINATE IGNITION SOURCES.VENTILATE AREA.USE NON-SPARKING TOOLS.STOP LEAK.ABSORB IN INERT ABSORBENT & PLACE INTO APPROPRIATE DISPOSAL CONTAINER & SEAL.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED PLACE, AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS.KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:PREVENT SKIN AND EYE CONTACT.AVOID BREATHING VAPORS OR AEROSOLS.SHOWERING AT THE END OF THE WORK SHIFT IS STRONGLY RECOMMENDED.WORK CLOTHES SHOULD BE LAUNDERED DAILY.

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

Respiratory Protection:NIOSH/MSHA RESPIRATOR WITH CARTRIDGE APPROPRIATE FOR EXPOSURE OF CONCERN OR SCBA IF TLV IS EXCEEDED.

Ventilation:SUFFICIENT LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:PVC, NITRILE.

Eye Protection:CHEMICAL TIGHT GOGGLES.

Other Protective Equipment:FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES & SKIN.DO NOT BREATHE VAPORS.WASH THOROUGHLY AFTER HANDLING.LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health

CONTINUES FROM HEALTH HAZARDS:ANIMAL STUDIES HAVE SHOWN THAT THIS MATERIAL CAN INDUCE MALFORMED OFFSPRING, MORPHOLOGICAL CHANGES IN THE TESTES, BONE MARROW INJURY AND FUNCTIONAL REPRODUCTIVE IMPAIRMENT.

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

HCC:F4

Boiling Pt:B.P. Text:256F,124C

Melt/Freeze Pt:M.P/F.P Text:-121F,-85C

Vapor Pres:6.17

Vapor Density:2.62 AIR=1

Spec Gravity:0.9663

Evaporation Rate & Reference:0.62 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:WATER-WHITE LIQUID; MILD AND CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HEAT, IGNITION SOURCES

Hazardous Decomposition Products: CO\*2, CO, TOXIC OXIDES.

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

Waste Disposal Methods: KEEP IN COVERED DRUMS PENDING DISPOSAL. CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER FOR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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