

OCTAGON PROCESS INC. -- TRIETHANOLAMINE -- 6810-00-281-2192

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

Product ID:TRIETHANOLAMINE

MSDS Date:01/08/1987

FSC:6810

NIIN:00-281-2192

MSDS Number: BDSSB

=== 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

=== Con

tractor 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:TRIETHANOLAMINE

CAS:102-71-6

RTECS #:KL9275000

Fraction by Wt: 99%+%

Other REC Limits:NONE SPECIFIED

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

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

Reports of Carcinogenicit

y:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYE- SEVERE IRRITATION. INHALE- IRRITATION AND DISCOMFORT. SKIN- LOCAL IRRITATION. INGEST- PAIN AND DISCOMFORT. CHRONIC: SKIN- PROLONGED OR REPEATED CONTACT MAY CAUSE SEVERE IRRITATION. INHALE- REPEATED OVEREXPOSURE TO VAPORS MAY CAUSE KIDNEY AND LIVER DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE- EXCE

SS REDNESS AND SWELLING OF THE

CONJUNCTIVA. SKIN- REDNESS AND CHAPPING. INGEST- NAUSEA, VOMITING, DIARRHEA, DIZZINESS, DROWSINESS, MALAISE, COLLAPSE AND COMA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT

BREATHING. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REM OVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION: GIVE 2 GLASSES OF MILK OR WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:400F,204C

Lower Limits:1

Upper Limits:10

Extinguishin

g Media:FOAM

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT AND EYE PROTECTION.

Unusual Fire/Explosion Hazard:DO NOT DIRECT SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS, THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY.

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

Spill Release Procedures:WEAR SUITABLE PROTECTIVE CLOTHING. AVOID SKIN/EYE CONTACT. SMALL SPILLS CAN BE FLUSHED WITH LARGE QUANTITI

ES

OF WATER. LARGE SPILLS SHOULD BE COLLECTED FOR SALVAGE OR DISPOSAL.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. DO NOT USE THIS MATERIAL WITH SODIUM NITRITE OR OTHER NITROSATING AGENTS.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NO SPECIAL REQMENTS UNDER ORDINARY CONDITIONS/ADEQUATE VENT.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:PVC, COATED OR BUTYL

Eye Protection:MONOGOGGLES

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. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:N1

Boiling Pt:B.P. Text:635F,335C

Vapor Pres:< 0.01

Vapor Density:5.1

Spec Gravity:1.126

Evaporation Rate & Reference:

< 0.01 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:NEARLY WATER-WHITE LIQUID, MILD AMMONIACAL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS AND OXIDIZING AGENTS SUCH AS NITRIC ACID, LIQUID OXYGEN, OZONE.

Stability Condition to Avoid:NONE NOTED

Hazardous Decomposition Products:CAN PRODUCE NITROGEN OXIDES, CARBON MONOXIDE/CARBON DIOXIDE.

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

Waste Disposal Methods:INCINERATE IN A FURNACE WHERE PERMITTED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use.

Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.