View NSN Online: https://aerobasegroup.com/nsn/9150-01-080-5961

HOUGHTON INTL INC -- HOUGHTO-SAFE 273 -- 9150-01-080-5961

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

Product ID:HOUGHTO-SAFE 273

MSDS Date:03/29/2000

FSC:9150

NIIN:01-080-5961

MSDS Number: BPMJY === Responsible Party ===

Company Name: HOUGHTON INTL INC Address: MADISON AND VAN BUREN AVE

Box:930

City: VALLEY FORGE

State:PA

ZIP:19482-0930

Country:US

Info Phone Num:610-666-4000/4105

Emergency Phone Num:610-666

-4000/800-424-9300(CHEMTREC)

Preparer's Name: GARY CARL

Chemtrec Ind/Phone:(800)424-9300

CAGE:73277

=== Contractor Identification ===

Company Name: EBENCO INTL CORP

Address:83 LINDSLEY AVE

Box:City:IRVINGTON

State:NJ

ZIP:07111-1749

Country:US

Phone:973-375-4292

Contract Num: SP0450-00-W-2014

CAGE:1N5B6

Company Name: HOUGHTON E F AND CO

Address:3431 CARRIAGE DR

Box:25930

City:SANTA ANA

State:CA ZIP:92799 Country:US

Phone:714-545-8467

CAGE:97451

Company Name: HOUGHTON INTERNATIONAL INC

Address:MADISON

AND VAN BUREN AVES Box:930 City: VALLEY FORGE State:PA ZIP:19482-0930 Country:US Phone:610-666-4105 CAGE:73277 Company Name: SALATHE OIL CO INC Address:2226 PETERS RD Box:City:HARVEY State:LA ZIP:70058 Country:US Phone:504-366-4542 CAGE:0T5C6 Company Name: SDB CONSULTANTS LTD Address: 401 WHITNEY AVE SUITE 120 Box:City:GRETNA State:LA ZIP:70056 Country:US Phone:504-366-9105 Contract Num:SP0450-00-M-C055 CAGE:0PGK2 ======= Composition/Information on Ingredients ======== Ingred Name:ETH YLENE GLYCOL (SARA 313) (CERCLA) CAS:107-21-1 RTECS #:KW2975000 Minumum % Wt:30. Maxumum % Wt:60. Other REC Limits: NONE RECOMMENDED ACGIH TLV:C STEL39PPM,A4,VAP96 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB Ingred Name:2-DIETHYLAMINOETHANOL CAS:100-37-8 RTECS #:KK5075000 <: Wt:1. Other REC Limits: NONE RECOMMENDED OSHA PEL:S, 10 PPM ACGIH TLV:S, 2 PPM; 9596

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

Routes of Entry: Inhalation:NO

Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- INHALATION: AVOID BREATHING PRODUCT MISTS. BREATHING MISTS IN EXCESS OF THE EXPOSURE LIMITS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN: MILD IRRITANT. EYE: MODERATE IRRITANT. INGESTI ON: AVOID INGESTION. SWALLOWING LARGE AMOUNTS OF ETHYLENE GLYCOL HAS CAUSED BIRTH DEFECTS IN LABORATORY ANIMALS. CHRONIC- UNKNOWN FOR THIS PRODUCT

Explanation of Carcinog

enicity:NONE

Effects of Overexposure:ACUTE- INHALATION: BREATHING MISTS IN EXCESS OF THE EXPOSURE LIMITS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN: MILD IRRITANT. EYE: MODERATE IRRITANT. INGESTION: AVOID INGESTION. SWALLOWIN G LARGE AMOUNTS OF ETHYLENE GLYCOL HAS CAUSED BIRTH DEFECTS IN LABORATORY ANIMALS.

Medical Cond Aggravated by Exposure: PERSONS WITH CHRONIC RESPIRATORY DISEASE MAY SHOW INCREASED SYMPTOMS DUE TO IRRITATION OF MISTS.

_	_	_	 _	 	_	 	_	 	 	 	 	 	
													=

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

First Aid:INHALATION:REMOVE TO SOURCE OF FRESH AIR. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS. EYES: FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN. INGESTION: INDUCE VOMITING; CONSULT PHYSICIAN.

Flash Point:NONE

Lower Limits:NOT RELEVANT Upper Limits:NOT RELEVANT

Extinguishi

ng Media:PRODUCT IS A FIRE RESISTANT FLUID; NOT FLAMMABLE AS USED.

Fire Fighting Procedures:IF WATER IS REMOVED, PRODUCT WILL BURN. USE WATER, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:FLUSH AREA WITH WATER FOR SMALL QUANTITIES. FOR LARGE QUANTITIES, DIKE TO CONTAIN AND EITHER REUSE OR DISPOSE OF DEPENDING ON CONDITIONS.

Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: AVOID CONTACT WITH STRONG OXIDIZING AGENTS. AVOID INGESTION. WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR.

IN EMERGENCY, WEAR A NIOSH-APPROVED

POSITIVE-PRESSURE SELF-CONTAINED BREA THING APPARATUS.

Ventilation: EXHAUST TYPE IF MISTING; OTHERWISE GENERAL TYPE IS SATISFACTORY.

Protective Gloves:RUBBER FOR PROLONGED CONTACT IF SKIN IS SENSITIVE Eye Protection:SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS. Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplementa

I Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A AND B, SAME NSN.

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

HCC:V7

Boiling Pt:=101.7C, 215.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres: AS WATER Vapor Density: AS WATER

Spec Gravity: 1.075

pH:9.6

Viscosity: NOT PROVIDED

Evaporation Rate & Dr. Reference: AS WATER

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR RED FLUID; AMINE ODOR

Percent Volatile

s by Volume:30- 60 Corrosion Rate:NOT PROVIDED
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES STRONG OXIDIZERS. Hazardous Decomposition Products:THERMAL; OXIDES OF CARBON AND NITROGEN Conditions to Avoid Polymerization:WILL NOT OCCUR.
========= Toxicological Information ==========
Toxicological Information:NOT PROVIDED
========== Ecological Information =============
Ecological:NOT PROVI DED
======= Disposal Considerations ==========
Waste Disposal Methods:FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHO ULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24).
========== MSDS Transport Information ===========
Transport Information:SEE TRANSPORTATION DATA.
====== ======= Regulatory Information ==============
SARA Title III Information:DOES NOT CONTAIN EHS CHEMICALS. ETHYLENE GLYCOL IS TOXIC (SECTION 313) Federal Regulatory Information:CERCLA RQ IS 5000 LBS FOR ETHYLENE GLYCOL State Regulatory Information:NOT PROVIDED ==================================
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.