

E F HOUGHTON & CO -- CUT-MAX TAPPING OIL -- 9150-00-450-6938

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

Product ID:CUT-MAX TAPPING OIL

MSDS Date:08/10/1989

FSC:9150

NIIN:00-450-6938

MSDS Number: BJRNN

=== Responsible Party ===

Company Name:E F HOUGHTON & CO

Address:MADISON AND VAN BUREN AVE

Box:930

City:VALLEY FORGE

State:PA

ZIP:19482

Country:US

Info Phone Num:215-666-4105

Emergency Phone Num:215-666-4105

Preparer's Name:DAVID H.EADLINE

CAGE:73227

=== Contractor Ident

ification ===

Company Name:HOUGHTON INTERNATIONAL INC

Box:930

City:VALLEY FORGE

State:PA

ZIP:19482

Country:US

Phone:610-666-4105

CAGE:73227

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

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: >60.0%

Other

REC Limits:NONE SPECIFIED
OSHA PEL:350 PPM/450 STEL
ACGIH TLV:350 PPM/450STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM
(INGREDIENTS #2 AND 3 MAKE 10-30%)
CAS:64742-52-5
RTECS #:PY8035000
Other REC Limits:NONE SPECIFIED

Ingred Name:SOLVENT REFINED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM
CAS:64741-96-4
RTECS #:PY8040000
Other REC Limits:NONE SPECIFIED

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTEC
S #:FF6400000
Fraction by Wt: 1-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF
EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE
HEADACHE,DIZZINESS,NAUSEA AND VOMITING. REDNESS OR BURNS OF
EYES/SKIN POSSIBLE.CHRON
IC:DRYING OF SKIN,DEFATTING OR DERMATITIS.
Explanation of Carcinogenicity:DATA PER MSDS
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
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 ATTENTI

ON. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:COC
Flash Point:260F,127C
Extinguishing Media:USE WATER FOG, CARBON DI
OXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.(MAY GIVE HCL.)

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION; VENTILATE THE
AREA. CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT
ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED
CONTAINER.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT
CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID
PRO
LONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED
IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.
Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.
Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equi

ment:EYE WASH STATION AND SAFETY SHOWER,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:V2

Spec Gravity:1.21

Solubility in Water:INSOLUBLE

Appearanc

e and Odor:BASE MATERIAL-CLEAR DARK LIQUID,ODOR OF CHLORINATED
SOLVENT.

Percent Volatiles by Volume:>60

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF SULFUR,HCL AND OTHER UNIDENTIFIED COMPONENTS.

===== Disposal Considerati
ons =====

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE
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 u

se. 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.