

=== Responsible Party ===

Info Phone Num:215-666-4105

Emergency Phone Num:215-666-4105 Preparer's Name:DAVID H.EADLINE

Company Name: HOUGHTON INTERNATIONAL INC

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

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

Address: MADISON AND VAN BUREN AVES

City: VALLEY FORGE

Box:930

State:PA ZIP:19482 Country:US

CAGE:73227

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Box:930

State:PA ZIP:19482 Country:US

Box:930

State:PA

CAGE:73227

=== Contractor Ident

City: VALLEY FORGE

Phone:610-666-4105

City: VALLEY FORGE

Phone:610-666-4105

RTECS #:KJ2975000 Fraction by Wt: >60.0%

ZIP:19482-0930 Country:US

CAGE:73277

CAS:71-55-6

Other

Company Name: E F HOUGHTON & CO Address: MADISON AND VAN BUREN AVE REC Limits:NONE SPECIFIED
OSHA PEL:350 PPM/450 STEL
ACGIH TI V:350 PPM/450 STEL:9197

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

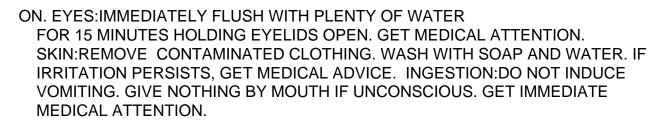
IC:DRYING OF SKIN, DEFATTING OR DERMATITIS.

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:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTI



========== 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 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

pment: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.

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