

HAARTZ-MASON, INC. -- N-450-11 SOLVENT BLEND -- 6850-00-182-6467

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

Product ID:N-450-11 SOLVENT BLEND

MSDS Date:10/22/1993

FSC:6850

NIIN:00-182-6467

MSDS Number: BWGXN

=== Responsible Party ===

Company Name:HAARTZ-MASON, INC.

Address:270 PLEASANT STREET

City:WATERTOWN

State:MA

ZIP:02172

Country:US

Info Phone Num:617-926-2300

Emergency Phone Num:617-926-2300/800-424-9300(CHEMTREC)

CAGE:84697

=== Contractor Identification ===

Company Name:HAARTZ-MASON, INC.

Address:270 PLEASANT STREET

Box:322

City:WATERTOWN

State:MA

ZIP:02172

Country:US

Phone:617-926-2300

CAGE:84697

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

Ingred Name:TOLUENE (SARA 313) (CERCLA)

CAS:108-88-3

RTECS #:XS5250000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISOBUTYL KE

TONE (HEXONE) (SARA 313) (CERCLA)
 CAS:108-10-1
 RTECS #:SA9275000
 Other REC Limits:NONE RECOMMENDED
 OSHA PEL:100 PPM
 ACGIH TLV:50 PPM/75 STEL; 9495
 EPA Rpt Qty:5000 LBS
 DOT Rpt Qty:5000 LBS

Ingrid Name:VOLITILE ORGANIC CONTENT AS LISTED ON MSDS: 6.7 LBS/GAL.
 RTECS #:9999999VC
 Other REC Limits:NONE RECOMMENDED
 OSHA PEL:NOT RELEVANT
 ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS UNKNOWN.
 Routes of Entry: Inhalatio
 n:YES Skin:YES Ingestion:NO
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:TARGET ORGANS:EYES, LUNGS, SPLEEN,
 LIVER, KIDNEY, HEART. ACUTE- MAY CAUSE EYE & SKIN IRRITATION. MAY
 BE ABSORBED THROUGH SKIN. INHALATION MAY CAUSE NARCOSIS & NAUSEA.
 MAY BE HARMFUL IF SWALLOWED. ASPI RATION HAZARD. CHRONIC- MAY CAUSE
 LIVER& CARDIAC ABNORMALITIES, KIDNEY, LUNG, SPLEEN & EYE DAMAGE.
 Explanation of Carcinogenicity:NONE
 Effects of Overexposure:EYES, SK
 IN, RESPIRATORY TRACT IRRITATION,
 HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA, WEAKNESS,
 CONFUSION, IMPAIRED COORDIANTION, DRYING SKIN, COUGHING, DIFFICULTY
 IN BREATHING AND DROWSINESS
 Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
 DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY, RESPIRATORY
 FUNCTIONS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL AT
 TENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH
 SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS
 OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.
 ORAL:DO N OT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:SCC
 Flash Point:28.0F,-2.2C
 Lower Limits:0.9
 Upper Limits:8.9
 Extinguishing Media:USE CARBON DIOXIDE, FOAM/DRY CHEMICAL. WATER SPRAY
 MAY BE USED TO KEEP F

IRE EXPOSED CONTAINERS COOL & DISPERSE VAPORS.

Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE MODE. WATER MAY BE INEFFECTIVE.

Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR, CAN TRAVEL A LONG DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK. CONTAINERS MAY EXPLODE DUE TO HEAT OF FIRE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND/NON-SPARKING PUMP. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY FROM HEAT, FLAMES & INCOMPATIBLES. OUTSIDE STORAGE PREFERRED. FOR INSIDE USE

STANDARD FLAMMABLE LIQUID STORAGE ROOM.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT WELD, SOLDER OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. GROUND & BOUND SHIPPING CONTAINER . AVOID REPEATED/PROLONGED SKIN CONTACT.

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

Respiratory Protection:IF WORKING IN A CONFINED AREA OR FIGHTING FIRE, USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:PVA, NITRILE

Eye Protection:SPLASH-PROOF GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING, COVERALLS OR LAB COAT, EMERGENCY SHOWER, EYE WASH STATION

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING VAPORS OR MISTS.

Suppl

emental Safety and Health
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=93.3C, 200.F
Decomp Temp:Decomp Text:NOT KNOWN
Vapor Pres:20-30 @68F
Vapor Density:3.3
Spec Gravity:0.8
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR LIQUID, CHARACTERISTIC ODOR

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

Stability Indicator/Materials to A
void:YES
STRONG OXIDIZERS
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, HOT SURFACES,
STATIC ELECTRICITY
Hazardous Decomposition Products:MAY FORM SMOKE, TOXIC LEVELS OF CARBON
MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL 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.