

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 K

ETONE (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

Ingred 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: Inhalati

on: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. ASPIRATION HAZARD. CHRONIC- MAY CAUSE
LIVER& CARDIAC ABNORMALITIES, KIDNEY, LUNG, SPLEEN & EYE DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES, S

KIN, RESPIRATORY TRACT IRRITATION,

HEADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA, WEAKNESS,
CONFUSION, IMPAIRED COORDINATION, 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 A

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 NOT 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

FIRE 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 STOREROOM.

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.

Supp

lemental 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

Avoid: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.

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