

ISSUE DATE: 1/1/1990

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**I PRODUCT AND COMPANY IDENTIFICATION****GHS PRODUCT IDENTIFIER:**

TRADE NAME; MASTISOLV PLUS

**OTHER MEANS OF IDENTIFICATION: PRODUCT# AS875****RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: Mastic Removal

**SUPPLIER'S DETAILS:**

ABATEMENT TECHNOLOGIES  
605 SATELLITE BLVD.  
SUWANEE, GA. 30024  
(678)889-4200

24 HOURS TRANSPORTATION EMERGENCY NUMBER:  
CHEMTREC: (800)424-9300; (703)527-3887 INTERNATIONAL

**II HAZARD IDENTIFICATION****GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: ( 1=SEVERE HAZARD, 4=SLIGHT HAZARD)

**HEALTH HAZARDS:**

|                               |             |
|-------------------------------|-------------|
| ASPIRATION HAZARD             | CATEGORY 1  |
| SERIOUS EYE DAMAGE IRRITATION | CATEGORY 2A |
| SKIN SENSITIZER               | CATEGORY 1  |

**LABEL ELEMENTS:****SIGNAL WORD: DANGER****HAZARD STATEMENTS:**

Causes serious eye irritation  
May be fatal if swallowed and enters airways  
May cause an allergic skin reaction

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Wash hands, face and all exposed skin areas after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist vapor/spray  
 Contaminated work clothing should not be allowed out of the workplace.

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF SWALLOWED: Immediately call a poison center or doctor or physician. Do not induce vomiting.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IN CASE OF FIRE: Flash point is over 200F. Keep containers cool with water mist.

**PRECAUTIONARY STATEMENTS (STORAGE):**

Store locked up.

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

Repeated or prolonged exposure can cause skin dryness or cracking.

**III COMPOSITION/ INFORMATION ON INGREDIENTS**

| INGREDIENT IDENTITY                        | CAS NUMBER  | PERCENTAGE  |
|--|-------------|-------------|
| DISTILLATES, PETROLEUM HYDROTREATED, LIGHT | 64742-47-8  | PROPRIETARY |
| DIETHYLENE GLYCOL MONOBUTYL ETHER          | 112-34-5    | PROPRIETARY |
| NAPHTHA PETROLEUM, HEAVY AROMATIC          | 64742-94-5  | PROPRIETARY |
| CITRUS TERPENES MIXTURE                    | PROPRIETARY | PROPRIETARY |

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

**IV FIRST AID MEASURES**

INGESTION: If swallowed, wash out mouth with water. Do not induce vomiting, this product is an aspiration hazard. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** Remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs get medical advice.

**INHALATION:** Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

### **Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting.

**SKIN CONTACT:** Symptoms may include redness, dryness and cracking of skin.

**INHALATION:** Not expected; however, symptoms may include irritation of respiratory tract and/or CNS symptoms such as dizziness, confusion, drowsiness or fatigue.

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically.

## **V FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use fire extinguishers suitable for surrounding fire, possibly consisting of water spray, dry chemical, carbon dioxide, or foam.

**Unsuitable extinguishing media-** Do not use water jet.

**Specific hazards arising from the chemical:** In a fire or if heated, a pressure increase will occur and the container may burst. Material will burn in a fire. Flash point is over 200F. Material will emulsify and not directly float with water spray and emulsion could aid in not exasperating fire.

**Hazardous thermal decomposition products:** carbon monoxide and CO<sub>2</sub>

**Special protective actions for fire-fighters:** Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **VI ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Avoid breathing vapor or mists. Put on appropriate personal protective equipment. Wear appropriate respirator when ventilation is inadequate.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with soil, waterways, drains and sewers. See section 12 for additional ecological information.

### **Methods and materials for containment and cleaning up.**

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## **VII HANDLING AND STORAGE**

### **Precautions for Safe Handling:**

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Emptied containers can contain product residues and remain hazardous. Do not reuse, flame cut, braize or weld container and observe all sds information around empty containers and dispose of in accordance with federal, state and local regulations.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

### **Conditions for safe storage including any incompatibilities:**

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Keep container tightly closed when not in use. Do not store in unlabeled containers.

**VIII EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters****Occupational Exposure Limits**

| <b>Ingredient Identity</b>        | <b>ACGIH TLV</b> | <b>OSHA PEL</b> | <b>NIOSH IDLH</b> |
|-----------------------------------|------------------|-----------------|-------------------|
| Diethylene glycol monobutyl ether | 112-34-5         | TWA 10ppm       |                   |

Distillates, Petroleum TWA:skin absorption 200mg/m<sup>3</sup> (as total hydrocarbon vapor) 8 hours

Hydrotreated, Light 64742-47-8

Solvent naphtha, heavy aromatic vapor, TWA50mg/m<sup>3</sup> 8ppm total hydrocarbons

**Appropriate Engineering Controls**

**Engineering Controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and air concentrations below occupational exposure standards.

**Individual protection measures, such as personal protective equipment. (PPE)**

**Eye/Face Protection:** Wear approved tightly sealed safety goggles

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**IX PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: blue liquid

Odor: mild solvent

Odor threshold: not available

pH: not applicable

Melting Point/Freezing Point: -56F

Initial Boiling Point/Range: 344F-473F

Flash Pt: >200F

Evaporation Rate: <1 (butyl acetate=1)

Lower explosive limits: .6% Aliphatic Solvent

Upper explosive limits: 5.5% Aliphatic Solvent

Vapor Pressure: meets CARB guidelines

Vapor Density: >1 (air=1)

Relative Density: .83

Solubility in water: Emulsifies

Partition coefficient: not applicable

Auto ignition temp: >428F

Decomposition Temp: not available

Viscosity: pourable liquid

**X STABILITY AND REACTIVITY**

Reactivity: Stable in normal ambient temperature and pressure

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: not under normal conditions of storage and use.

Conditions to Avoid: Open flames, sparks

Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide

**XI TOXICOLOGICAL INFORMATION**

Acute toxicity: not classified,

Skin corrosion irritation: not classified,

Serious Eye damage: classified, Category 2, Causes serious eye irritation, Diethylene glycol monobutyl ether 112-34-5

Sensitization: Classified, Category 1, May cause allergic skin reaction, Citrus Terpenes

Mutagenicity: Not classified,

Carcinogenicity: Not classified,

Reproductive Toxicity: Not Classified

Teratogenicity: Not Available

Specific target Organ Toxicity (single exposure)

Not classified

Specific target Organ Toxicity (repeated exposure):

Not classified

Aspiration Hazard:

Distillate petroleum hydrotreated, light 64742-47-8, Aspiration Hazard Category 1

Solvent naphtha, heavy aromatic, 64742-94-5, Aspiration Hazard Category 1

**Information on the likely routes of exposure:****Ingestion:** May be harmful if swallowed. May be fatal if swallowed and enters airways.**Inhalation:** Do not breathe vapors or mists.**Skin:** May be harmful in contact with skin. May cause allergic skin reactions**Eye:** Causes serious eye irritation**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

**Numerical measures of Toxicity**

Not Available

**XII ECOLOGICAL INFORMATION****Toxicity:**

| <u>Ingredient name</u>                    | <u>Result</u>          | <u>Species</u> | <u>Exposure</u> |
|---|------------------------|----------------|-----------------|
| Distillate Petroleum, Hydrotreated, light | Chronic NOEL 0.48 mg/l | Daphnia        | 21 days         |

**Persistence and degradability:**

Distillate Petroleum: Biodegradability-inherent

Hydrotreated

Solvent naphtha, petroleum 64742-94-5: expected to be readily biodegradable

Diethylene glycol monobutyl ether, 112-34-5: readily biodegradable

**Bioaccumulation Potential:**

Not expected to bioaccumulate

**Mobility in Soil:**

No data

**Other adverse Effects:**

No known significant effects or critical hazards

**XIII DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**XIV TRANSPORT INFORMATION**

**DOT:** NOT REGULATED  
**IATA:** NOT REGULATED  
**IMDG:** NOT REGULATED

**XV REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** All ingredients are listed or exempted with TSCA.

SARA 302/304: no products were found.

SARA 311/312: acute health hazard

SARA 313: Diethylene glycol monobutyl ether, <10%

California Prop 65: none known

**XVI OTHER INFORMATION**

HMIS RATING: HEALTH (1) FIRE (1) REACTIVITY (0)  
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

**NOTICE TO READER:**

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