IDENTITY: F-710

SECTION I

Manufacturer's Name: CASCADE WATER SERVICES, Inc.
Address: 113 BLOOMINGDALE ROAD, HICKSVILLE, NY 11801
Emergency Telephone Number: 800-424-9300
Telephone Number for Information: 516-932-3030
Date Prepared: 3-03-00

SECTION II  Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Names):

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blended high boiling aromatic hydrocarbon</td>
<td>64742-94-5</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>10 ppm</td>
</tr>
<tr>
<td>1,2,4 Trimethylbenzene</td>
<td>95-63-6</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Manganese mixture of mineral spirits</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

This product contains the following which appear on the SARA 313 List of toxic chemicals. They may be present up to the listed percentages.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>4-11</td>
</tr>
<tr>
<td>1,2,4 Trimethylbenzene</td>
<td>95-63-6</td>
<td>1-2</td>
</tr>
<tr>
<td>Manganese mixture of mineral spirits</td>
<td>NA</td>
<td>De minimis concentration</td>
</tr>
</tbody>
</table>

CAUTION! Combustible liquid and vapor. Aspiration hazard if swallowed. Can enter lungs and cause damage. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Keep container tightly closed. Use adequate ventilation. Do not pressurize, cut, weld, braze, solder, grind or drill on or near container. "Empty" container retains residue (liquid and or vapor) and may explode in heat of a fire. Do not taste or swallow.

SECTION III  Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>352-418 F</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>0.900</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Negligible</td>
</tr>
<tr>
<td>Melting Point</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>4.8</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate=1)</td>
<td>0.13</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Disperses</td>
</tr>
<tr>
<td>Appearances and Odor</td>
<td>Clear, thin, light brown liquid, solvent odor.</td>
</tr>
</tbody>
</table>

Unless otherwise noted, values are at 20 C/68 F and 760 mm Hg/1 atm.

NA - not applicable               NE - not established
SECTION IV  Fire and Explosion Hazard Data

Flash Point (Method Used):  150 F (TCC)

Flammable Limits:        LEL:  0.5% vol        UEL: 6.0% vol

Extinguishing Media: Dry chemical, foam, carbon dioxide, halon

Special Fire Fighting Procedures: Wear appropriate protective equipment including respiratory protection as conditions warrant. Stop spill/release if it can done without risk. Move undamaged containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire and Explosion Hazards: This material is combustible and may be ignited by heat, sparks, flame or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they may ignite, flashback or explode. Vapor/air explosion hazard indoors/outdoors or in sewers. Vapors are heavier than air and may accumulate in low areas. If container is not properly cooled, it may explode in the heat of a fire.

SECTION V  Reactivity Data

Stability:               Stable: X               Unstable: 

Conditions to Avoid: Avoid all possible sources of ignition. See Sections II and IV.

Incompatibility (Materials to Avoid): This product is incompatible with strong acids or bases, oxidizing agents and selected amines.

Hazardous Decomposition or Byproducts: Combustion may yield carbon monoxide and/or carbon dioxide. Do not breathe smoke or fumes. Wear appropriate equipment.

Hazardous Polymerization: May Occur: Will Not Occur: X

Conditions to Avoid: None known

SECTION VI  Health Hazard Data

Route(s) of Entry:        Inhalation: X    Skin: X    Ingestion: X

Health Hazards (Acute and Chronic):

EYE CONTACT: This material may cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.
SKIN CONTACT: This material may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, and drying and cracking of the skin. No harmful effects are expected from skin absorption of this material. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INHALATION (breathing): Breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, and fatigue). Respiratory symptoms associated with pre-existing lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to this material.

INGESTION (swallowing): While this material has a low degree of toxicity, ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression (e.g., headache, drowsiness, loss of coordination and fatigue). Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

COMMENTS: This material has not been identified as a carcinogen by NTP, IARC, or OSHA. Naphthalene, a component of this product, has been shown to cause cataracts in humans upon eye contact with vapors or dusts and upon ingestion or inhalation in laboratory animals. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painters' syndrome). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

Emergency and First Aid Procedures: EYE CONTACT: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

SKIN CONTACT: Remove contaminated shoes and clothing and cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION (BREATHING): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION (SWALLOWING): This material is a potential aspiration hazard. If swallowed, seek emergency medical attention. If victim is drowsy or unconscious, place on the left side with the head down and DO NOT give anything by mouth. Because of potential toxicity, if victim is conscious and alert, vomiting should be induced for ingestion of large amounts (more than 5 ounces in an adult) preferably with syrup of ipecac under direction from a physician or poison center. If possible, do not leave victim unattended.
SECTION VII  Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Combustible. Keep all sources of ignition away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to authorized personnel. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate Federal, state and local agencies. Immediate cleanup of spill is recommended. If spill in excess of EPA reportable quantity is made into the environment, immediately notify the National Response Center (phone: 800-424-8802).

EPA Reportable Quantity: Naphthalene 100 lbs., equivalent to 833 lbs. of this product.

Waste Disposal Method: Dispose of product in accordance with local, county, state and Federal regulations.

Precautions to be Taken in Handling and Storing: Keep container(s) closed. Use and store this material in cool, dry, well ventilated areas away from heat and all sources of ignition. Post area "NO SMOKING OR OPEN FLAME." Store only in approved containers. Keep away from any incompatible materials (see section V). Protect container(s) against physical damage. The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276. The use of respiratory protection is advised when concentrations exceed any established exposure limits. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product, refer to occupational safety and health administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.
SECTION VIII  Control Measures

Respiratory Protection (Specify Type): The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH approved, if available) or supplied air equipment.

Ventilation (Local/Mechanical/Special): If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

Protective gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Other Protective Clothing or Equipment: It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.


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