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<b>Product Name: DEFY MASONRYSAVER 40-S WATER REPELLENT®</b>			
<b>MSDS Number:</b> MS-40	<b>CAS Number:</b> Mixture	<b>Date:</b> 06-26-96	<b>Prepared by:</b> Greg Herbert

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

<b>Principal hazardous component(s) (chemical &amp; common names)</b>	<b>p.c. Threshold Limit Value (units)</b>	
Denatured Alcohol	100ppm	100ppm
Modified Silane	N.E.	N.E.

\*Percentage content of ingredients withheld as a trade secret pursuant to Massachusetts regulations\*

## SECTION 2 - PHYSICAL & CHEMICAL CHARACTERISTICS

<b>Appearance and odor:</b> -----	Clear liquid with an alcohol odor
<b>Boiling point:</b> -----	175° F
<b>Vapor pressure (mm Hg and temperature):</b> -----	No data available
<b>Vapor density (air = 1):</b> -----	No data available
<b>Evaporation rate:</b> -----	<70
<b>Solubility in water:</b> -----	Slight
<b>Water reactive:</b> -----	N.E.
<b>Specific gravity:</b> -----	.839
<b>% volatile by volume:</b> -----	60%

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>Flash point and method used:</b> -----	53° F Standard
<b>WARNING!</b> -----	Flammable liquid and vapor. Vapors may cause flash fire.
<b>Auto-ignition temperature:</b> -----	400° F
<b>Flammability limits in air % by volume:</b> -----	N.E.
<b>Extinguishing media:</b> -----	REGULAR FOAM or CARBON DIOXIDE
<b>Special fire fighting procedures:</b> -----	Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
<b>Unusual fire and explosion hazards:</b> -----	Vapors are heavier than air-may travel along the ground or be moved by ventilation & ignited by heat, pilot lights, other flames & ignition sources at locations distant from material handling point.

## SECTION 4 - REACTIVITY HAZARD DATA

<b>Stability:</b> -----	Stable
<b>Conditions to avoid:</b> -----	Heat, open flame
<b>Incompatibility (materials to avoid):</b> -----	Avoid contact with strong oxidizing agents or heat.
<b>Hazardous decomposition products:</b> -----	At Hydrolysis: Methyl Alcohol, Oxides of carbon
<b>Hazardous polymerization:</b> -----	Will not occur under normal conditions.

## SECTION 5 - HEALTH HAZARD DATA

**Primary routes of entry:**

  X   Inhalation      X   Skin Absorption    \_\_\_\_\_ Ingestion    \_\_\_\_\_ Not Hazardous

**Carcinogen listed in:**

\_\_\_\_\_ NTP    \_\_\_\_\_ IARC Monograph    \_\_\_\_\_ OSHA    \_\_\_\_\_ Not Listed

**Signs and symptoms of exposure:** Nausea, dizziness, giddiness, vomiting

**Acute overexposure:** Irritating to eyes, skin, and mucous membranes, affects the central nervous system.

**Chronic overexposure:** Affects the central nervous system.

**Medical conditions generally aggravated by exposure:** May cause liver or kidney damage.

**Emergency and first aid procedures -** Seek medical assistance for further treatment, observation, and support.

**Eye contact:** Flush with plenty of water for at least 15 minutes; contact an ophthalmologist.

**Skin contact:** Remove with clean cloth, wash with soap and water.

**Inhalation:** Remove to fresh air. Contact a physician.

**Ingestion:** Do not induce vomiting. Keep person warm, quiet, and get medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory protection (specify type):** A NIOSH/MSHA approved air supply respirator in absence of proper environmental control.

**Protective gloves:** Nitrile rubber gloves

**Eye protection:** Chemical splash goggles

**Ventilation:**

**Local exhaust:**

**Mechanical (general):** X

**Special:**

**Other protective clothing and equipment:** To prevent repeated or prolonged exposure, wear impervious clothing and boots.

**Hygienic work practices:** Always take extra care when handling chemicals.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

**Steps to be taken if material is spilled or released:** Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood. Keep flame or heat source from spill or clean up material.

**Waste disposal methods:** Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material according to applicable regulations.

**Precautions to be taken in handling and storage:** Store in dry, cool area. For shipping purposes: Water repellent is not regulated by D.O.T./Non-Hazardous. Product is flammable and needs to be stored away from heat source or open flame.

**Other precautions and/or special hazards:** Containers of this material may be hazardous when emptied, since they may contain residues. Therefore, all hazard precautions given in the data sheet must be observed.

<b>NFPA Rating:</b>	Health <u>  0  </u>	Flammability <u>  3  </u>	Reactivity <u>  1  </u>	Special <u>      </u>
<b>HMIS Rating:</b>	Health <u>  1  </u>	Flammability <u>  3  </u>	Reactivity <u>  1  </u>	Special <u>  E  </u>