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Product Name: DEFY SOLVENT-BASE WATER REPELLENT®			
MSDS Number: MS-33	CAS Number: Mixture	Date: 06-26-96	Prepared by: Greg Herbert

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Principal hazardous component(s) (chemical & common names)	p.c.	Threshold Limit Value (units)	
Aliphatic Hydrocarbon	100ppm	100ppm	
Modified Oligomeric Polysiloxane	N.E.	N.E.	

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

SECTION 2 - PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance and odor:	Clear liquid with a mineral spirit odor
Boiling point:	334° F
Vapor pressure (mm Hg and temperature):	2mm Hg.
Vapor density (air = 1):	4.9
Evaporation rate:	(ether = 1) 70
Solubility in water:	N.E.
Water reactive:	N.E.
Specific gravity:	.785
% volatile by volume:	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash point and method used:	142° F Standard
Auto-ignition temperature:	410° F
Flammability limits in air % by volume:	N.E.
Extinguishing media:	REGULAR FOAM or CARBON DIOXIDE or DRY CHEMICAL
Special fire fighting procedures:	Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
Unusual fire and explosion hazards:	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

Stability:	Stable
Conditions to avoid:	N.A.
Incompatibility (materials to avoid):	Avoid contact with strong oxidizing agents.
Hazardous decomposition products:	At Hydrolysis: Methyl Alcohol
Hazardous polymerization:	Will not occur.
Conditions to avoid:	NA

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.

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.

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.

NFPA Rating:	Health <u> 0 </u>	Flammability <u> 2 </u>	Reactivity <u> 1 </u>	Special <u> </u>
HMIS Rating:	Health <u> 1 </u>	Flammability <u> 2 </u>	Reactivity <u> 1 </u>	Special <u> E </u>