

Material Safety Data Sheet

Number: **DMN-096**

Product Name: **Heat Wave**

A liquid glycol.

Revised: 11/19/99

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Propylene Glycol	57-55-6	> 60%	No
Dowanol DPM	34590-94-8	1 – 10%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is mildly irritating to the eyes. An orange liquid with a mild odor. Product is water based and presents no hazard in a fire.

Health Hazards: Irritant

Physical Hazards: None

Primary Routes of Entry: ___Through Skin ___Inhalation XIngestion

Potential Health Effects:

Eyes - may cause irritation, redness, tearing.

Skin – repeated contact may cause slight flaking, tenderness and softening of the skin on persons with sensitive skin.

Swallowing – large quantities may cause diarrhea.

Breathing - none.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

Skin Contact: Rinse exposed area with water. If irritation develops and persists, get medical attention.

Inhalation: None.

Ingestion: None.

Section 5 - Fire-Fighting Measures

Flash Point: none. (ASTM D-56 closed cup)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wipe or mop up small spills. Larger spills can be collected into clean pails or drums for later use or washed to a sanitary sewer with plenty of water.

Section 7 - Handling and Storage

Store at temperatures below 100° F.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Propylene Glycol	57-55-6	> 60%	no established limits are available		
Dowanol DPM	34590-94-8	1 – 10%	100ppm(1,2,3,4)	150ppm(2,3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: None.

Respiratory Protection: None.

Gloves: Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves.

Eye Protection: If eye contact is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Boiling Point: 370° F.

Specific Gravity: 1.05

Percent Volatiles: 98%

Solubility In Water: Complete

Appearance and Odor: An orange liquid with a mild odor.

Vapor Pressure: 0.22 mmHg

Vapor Density: 2.62 (Air = 1)

Evaporation Rate: Same as water.

pH: 12.0 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: Heat from a fire may cause decomposition yielding carbon monoxide, carbon dioxide and/or propionaldehyde.

Section 11 - Toxicological Information

Target Organs: None.

Section 12 - Ecological Information

Not hazardous, but do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Wash to a sanitary sewer with a large amount of water.

Section 14 - Transport Information

D.O.T. Hazard Class: Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA / HMIS Estimates:	Health: 0	Flammability: 0	Reactivity: 0
0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe			

Replaces sheet dated 2/15/88. Converted to ANSI Standard format.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.