

**Section 1 - Identification**

Product Name: **Heat-Wave™**

A ready-to-use propylene glycol based freezer cleaner.

Revised: 12/6/17

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**Section 2 - Hazards Identification**

Hazard categories: Skin Corrosion/Irritation 2; Eye Corrosion/Irritation 1

Hazard statements: Causes skin irritation and serious eye damage.

Signal word: Danger

Pictograms: Exclamation, Corrosion

Precautionary statements

Prevention

Wash hands thoroughly after handling. Wear protective gloves such as latex.

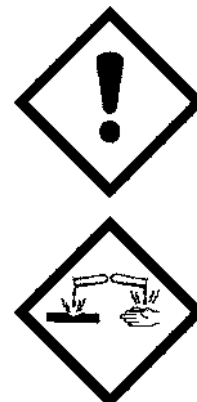
Wear eye protection such as safety glasses with side shields.

Response

**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Storage: None. Disposal: None.



**Section 3 - Hazards Identification**

Ingredient	C.A.S. No.	Concentration
Propylene glycol	57-55-6	85 - 90%
Dipropylene glycol methyl ether	34590-94-8	2 - 5%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

**Section 4 - First Aid Measures**

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.

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

**Inhalation:** None

**Ingestion:** If the person is conscious, give a glass of water to drink to dilute. Do NOT induce vomiting. Treat for shock by keeping warm and quiet. Get medical attention immediately.

**Section 5 - Fire-Fighting Measures**

**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:** Clean up small spills with a rag or mop. Larger spills can be washed to sewer with plenty of water.

**Section 7 - Handling and Storage**

Store at temperatures below 100° F.

**Section 8 - Exposure Controls / Personal Protection**

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Dipropylene glycol methyl ether	34590-94-8	3%	100 ppm(1,2)	150 ppm(2)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous  
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

**Ventilation:** None.

**Respiratory Protection:** None when used as directed.

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

**Eye Protection:** Wear safety glasses with side shields.

**Other Protective Equipment:** None.

### Section 9 - Physical and Chemical Properties

<b>Appearance and Odor:</b> An orange liquid with a mild odor.	
<b>Odor Threshold:</b> Not Available	<b>Vapor Pressure:</b> 0.22 mmHg
<b>pH:</b> concentrate 12.0 ± 0.5	<b>Vapor Density:</b> 2.62 (Air - 1)
<b>Melting Point:</b> Not Available	<b>Relative Density (Specific Gravity):</b> 1.05
<b>Freezing Point:</b> < -4 ° F	<b>Solubility(ies): Water:</b> 100%
<b>Boiling Point, Initial:</b> 370° F.	<b>Partition coefficient:</b> Not Available
<b>Boiling Range:</b> Not Available	<b>Auto-ignition Temperature:</b> Not Available
<b>Flash Point:</b> None. (ASTM D-56 closed cup)	<b>Decomposition Temperature:</b> Not Available
<b>Evaporation Rate:</b> Similar to water.	<b>Viscosity:</b> Same as water.-
<b>Flammability: (solid, gas):</b> Not Applicable	<b>Volatiles Percent:</b> 98
<b>Upper Explosive Limit:</b> None	<b>V.O.C.:</b> 2.0% - 21.6 grams/liter
<b>Lower Explosive Limit:</b> None	

### Section 10 - Stability and Reactivity

**Incompatibility:** None

**Hazardous Decomposition Products:** None

### Section 11 - Toxicological Information

**Primary Routes of Entry:** \_\_\_ Skin contact; \_\_\_ Skin absorption; \_\_\_ Inhalation; X Ingestion

**Potential Health Effects:**

**Eyes** - may cause irritation, redness, tearing.

**Skin** - may cause irritation on persons with sensitive skin.

**Swallowing** - may cause irritation to mouth and throat.

**Breathing** - none when used according to label directions.

**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 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®:** H:1 F:0 I:0      **HMIS® III:** H:1 F:0 P:0      These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 11/19/99. Product was discontinued for many years. Sheet updated for new production.

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.