

# Material Safety Data Sheet

Clarity Fog Eliminator

Date of Preparation: 03-Aug-2004

Revision: 002

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Clarity® Fog Eliminator Cloth

**Chemical Formula:** Proprietary surfactants on dry cloth

**CAS Number:** proprietary

**Other Designations:**

**General Use:** anti-fog cloth

**Manufacturer:** Nanofilm Ltd., 10111 Sweet Valley Dr., Valley View, OH 44125, Phone (800) 883-6266, FAX (216) 447-1137 (8:30 AM – 5:30 PM),

**(Emergency phone number: CHEMTREC (800) 424-9300, International: (703) 527-3887)**

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Proprietary Surfactants		

**Trace Impurities:**

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

### Potential Health Effects

**Primary Entry Routes:** skin

**Target Organs:** N/A

**Acute Effects**

**Eye:** may cause some irritation to eyes if contacted

**Skin:** may cause dry skin and some irritation

**Carcinogenicity:** IARC, NTP, and OSHA do not list any of the ingredients as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

**Chronic Effects:** N/A

### HMIS

H	1
F	0
R	0

PPE†

†Sec. 8

## Section 4 - First Aid Measures

**Eye Contact:** wash eyes with cold water, get fresh air

**Skin Contact:** wash with water

**After first aid, get appropriate in-plant, paramedic, or community medical support.**

## Section 5 - Fire-Fighting Measures

**Flash Point:** N/A

**Flash Point Method:** N/A

**Burning Rate:** N/A

**Autoignition Temperature:** N/A

**LEL:** N/A

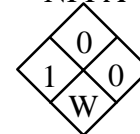
**UEL:** N/A

**Flammability Classification:**

**Extinguishing Media:** use CO<sub>2</sub>, water or dry chemicals

**Unusual Fire or Explosion Hazards:** none

NFPA



**Hazardous Combustion Products:** Carbon monoxide and unidentified organic compounds.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:**

**Small Spills:** Not applicable – solid material.

**Large Spills - Containment:** Not applicable – solid material.

**Cleanup:** Not applicable – solid material.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** away from direct flames. Keep container closed.

**Storage Requirements:** store at room temperature

**Regulatory Requirements:** N/A

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** None

**Administrative Controls:**

**Respiratory Protection:** None

**Protective Clothing/Equipment:** None

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Not applicable.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance and Odor:** white cloth

**Vapor Pressure:** N/A

**Vapor Density (Air=1):** unknown

**Formula Weight:** N/A

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** N/A

**pH:** N/A

**Water Solubility:** N/A

**Boiling Point:** N/A

**Freezing/Melting Point:** N/A

**% Volatile:** none at 70°F

**Evaporation Rate:** N/A

## Section 10 - Stability and Reactivity

**Stability:** Product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** products containing chlorine

**Conditions to Avoid:** unknown

**Hazardous Decomposition Products:** none

**Special Notes For Use on Goggle Lenses or Respirator Windows:** Coating left on lens or window is non-toxic, non-combustible and will not vaporize at temperatures below 80°C (176°F).

## Section 11- Toxicological Information

### Toxicity Data:\*

**Eye Effects:** N/A

**Skin Effects:** N/A

**Acute Inhalation Effects:** N/A

**Acute Oral Effects:** N/A

**Chronic Effects:** N/A

**Carcinogenicity:** N/A

**Mutagenicity:** N/A

**Teratogenicity:** N/A

## Section 12 - Ecological Information

**Ecotoxicity:** N/A  
**Environmental Fate:** N/A  
**Environmental Degradation:** N/A  
**Soil Absorption/Mobility:** N/A

## Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.  
**Disposal Regulatory Requirements:** N/A  
**Container Cleaning and Disposal:** N/A

## Section 14 - Transport Information

### DOT Transportation Data (49 CFR 172.101):

<b>Shipping Name:</b> N/A <b>Shipping Symbols:</b> N/A <b>Hazard Class:</b> N/A <b>ID No.:</b> N/A <b>Packing Group:</b> N/A <b>Label:</b> N/A <b>Special Provisions (172.102):</b> N/A	<b>Packaging Authorizations</b> a) <b>Exceptions:</b> N/A b) <b>Non-bulk Packaging:</b> N/A c) <b>Bulk Packaging:</b> N/A	<b>Quantity Limitations</b> a) <b>Passenger, Aircraft, or Railcar:</b> N/A b) <b>Cargo Aircraft Only:</b> N/A  <b>Vessel Stowage Requirements</b> a) <b>Vessel Stowage:</b> N/A b) <b>Other:</b> N/A
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## Section 15 - Regulatory Information

### EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)  
 RCRA Hazardous Waste Classification: Not classified  
 CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112  
 SARA 311/312 Codes:  
 SARA Toxic Chemical (40 CFR 372.65): Not listed  
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

### OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

### State Regulations:

#### Canada

This product has a WHMIS classification of D2B.

## Section 16 - Other Information

**Prepared By:** Brij P. Singh, Vice President, Technology

**Revision Notes:** 03-Aug-2004

Replaces Revision 001 dated 21-Nov-2002.

**Additional Hazard Rating Systems:** N/A

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