




Safety Data Sheet

ANTI-FOG SOLUTION

Section 1. Identification

Product Identifier	ANTI-FOG SOLUTION		
Synonyms	NONFB100; NONFB101; MSD_SDS0226		
Manufacturer Stock Numbers	NONFB100; NONFB101		
Recommended use	Anti-fogging agent.		
Uses advised against	None known.		
Manufacturer Contact Address	Medline Industries, Inc. One Medline Place Mundelein, IL, 60060 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A FLAMMABLE LIQUIDS - Category 4
Signal Word	Warning
Pictogram	
Hazard Statements	Causes serious eye irritation Combustible liquid
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention.

Prevention	<p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>In case of fire: Use appropriate media to extinguish.</p> <p>Keep away from heat.</p> <p>Wash thoroughly after handling. Wear eye/face protection.</p> <p>Wear eye protection/face protection.</p> <p>Wear protective gloves/eye protection/face protection</p>
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container in accordance with local authority requirements.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	None known.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	5% - 15%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.
Skin Contact:	Flush with water; if irritation persists, seek medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.
Ingestion	Rinse mouth and drink plenty of water or milk.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Most important symptoms and effects, both acute and delayed:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of any immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Water spray, Carbon Dioxide (CO ₂), Dry Chemical
Unsuitable Extinguishing Media	Water jet.
Special Fire Fighting Procedures:	Special hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases. Self contained breathing apparatus and full protective clothing recommended.
Fire fighting equipment/instructions:	Use standard firefighting procedures and consider the hazards of other involved materials.
Specific Methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General Fire Hazards:	No unusual fire or explosion hazards noted.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of this SDS.
Small Spill:	Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Large Spill:	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Should not be released into the environment

Section 7. Handling and Storage

Precautions for safe handling:	Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Handle and open container with care. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store in a closed container away from incompatible materials. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the SDS). Store in accordance with local/regional/national/international regulation. Store in a cool, dry, well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
Personal Protective Equipment	Goggles, Gloves			
Biological limit values:	No biological exposure limits noted for the ingredient(s).			
Exposure guidelines:	Follow standard monitoring procedures.			
Engineering Controls:	Ventilation: Adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide easy access to water supply and eye wash facilities.			
Eye Protection:	Wear chemical safety glasses with side shields or goggles.			
Skin Protection:	Protective gloves: Chemical-resistant.			
Other protective equipment:	Wear suitable protective clothing. Remove contaminated clothing promptly.			
Respiratory Protection:	No special respiratory protection is recommended under anticipated conditions of normal use with adequate ventilation.			
Thermal Hazards:	Wear appropriate thermal protective clothing, when necessary.			
Work/hygienic practices:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless, Liquid absorbed on sponge
Odor	N.A.
Odor Threshold	N.A.
Solubility	N.A.
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
Ph	N.A.
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Section 10. Stability and Reactivity

Reactivity:	Stable under normal conditions
Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	None under normal use.
Conditions to avoid:	Contact with incompatible materials.
Incompatibility (Materials to Avoid):	Strong acids. Alkalis.
Hazardous Decomposition or Byproducts	Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11. Toxicological Information

Likely Routes of Exposure: Eye	Causes serious eye irritation.
Likely Routes of Exposure: Skin	May cause skin irritation.
Likely Routes of Exposure: Inhalation	When heated, the vapors/fumes given off may cause respiratory track irritation.
Likely Routes of Exposure: Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Information on Toxicological Effects:	Acute Toxicity: Not expected to be acutely toxic.
Acute Toxicity: Oral LD50:	Trade Secret CAS No. Proprietary Species: Mouse Test results: 2.64 g/kg
Skin corrosion/irritation:	Not classified.
Serious eye damage/Eye irritation:	Causes serious eye damage.
Respiratory/Skin Sensitization:	Not classified. Respiratory sensitization - Not classified Skin sensitization - Not a skin sensitizer
Germ cell Mutagenicity:	Not classified.
Carcinogenicity:	Not classifiable as to carcinogenicity to humans. OSHA listed: No
Reproductive Toxicity:	Not classified.
Specific Target Organ Toxicity - Single exposure:	Not classified.
Specific Target Organ Toxicity - Repeated exposure:	Not classified.
Aspiration hazard:	Not classified.
Chronic Effects:	N.A.
Further Information:	None known.

Section 12. Ecological Information

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.
Persistence and degradability:	N.A.
Bioaccumulative potential:	Not expected.
Mobility in soil:	N.A.
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13. Disposal

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Waste Code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused products:	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose in accordance with all applicable regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated
Packing Group	Not regulated
ICAO:	Not regulated.
IMDG:	Not regulated
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N.A.

Section 15. Regulatory Information

SARA 311/312:	N.A.
SARA 302:	N.A.
SARA 313:	ISOPROPANOL.
TSCA:	N.A.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	Isopropyl Alcohol
Rhode Island Right to Know Components:	isopropyl alcohol.

Section 16. Other Information

Revision Date 04/14/2016

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health Hazard 2

HMIS (U.S.A.): Flammability 1

HMIS (U.S.A.): Reactivity 0

National Fire Protection 2

Association (U.S.A): Health Hazard

National Fire Protection 1

Association (U.S.A):

Flammability

National Fire Protection 0

Association (U.S.A):

Instability Hazard

National Fire Protection

Association (U.S.A): Special

Hazard

Additional Information

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees