

Safety Data Sheet

Issue Date: 11-Nov-2009

Revision Date: 18-Jul-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name

Fog Buster Towelette

Other means of identification

SDS #

HLC-005

Product Code

344061999, 344062999, 344063999

Recommended use of the chemical and restrictions on use

Recommended Use

Anti-fog Lens Treatment System.

Details of the supplier of the safety data sheet

Supplier Address

MCR Safety
1255 W Schilling Blvd
Collierville, TN 38017

Emergency Telephone Number

Company Phone Number

1-508-699-4406

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Liquid saturated on wipe

Physical State Solid

Classification

The information below is for the liquid absorbed onto the wipe when used in an industrial setting. The wipe itself is considered a consumer good and when used as intended is unlikely to present a hazard.

Serious eye damage/eye irritation

Category 2

Signal Word

Warning

Hazard Statements

Causes serious eye irritation



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Unknown Acute Toxicity

3.12% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropyl Alcohol	67-63-0	10-20

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

In case of shortness of breath, give oxygen.
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Eye Contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, obtain medical treatment.

Skin Contact

Wash off with soap and water. If irritation persists, call physician.

Inhalation

Move victim to fresh air. Get medical attention if necessary.

Ingestion

Rinse mouth thoroughly with water. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms and effects**Symptoms**

Causes serious eye irritation. Will irritate mucous membranes. May cause corneal damage. Prolonged or repeated contact can defat the skin and lead to irritation, cracking, and/or dermatitis. Ingestion may cause irritation and malaise. May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water. Foam. Dry chemical. Carbon dioxide (CO2).

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Combustible. During fire, gases hazardous to health may be formed. Solvent vapors may form mixtures with air. Fire may produce irritating and/or toxic gases.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering. Wear suitable protective clothing. Avoid inhalation of vapors and contact with skin and eyes. Local authorities should be advised if significant spillages cannot be contained.

Environmental Precautions

See Section 12 for additional Ecological Information. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up**Methods for Containment**

Eliminate all ignition sources. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Clean-Up

Collect with absorbent, non-combustible material in to suitable containers. Clean surface thoroughly to remove residual contamination. Should not be released into the environment. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid inhalation of vapors or mists. Avoid contact with skin and eyes. Avoid prolonged exposure. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in a well-ventilated place. Keep container tightly closed. Protect from freezing. Protect from direct sunlight. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials.

Incompatible Materials

Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	NIOSH IDLH

Isopropyl Alcohol
67-63-0

STEL: 400 ppm
TWA: 200 ppm

IDLH: 2000 ppm
TWA: 400 ppm
TWA: 980 mg/m³
STEL: 500 ppm
STEL: 1225 mg/m³

Appropriate engineering controls**Engineering Controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear protective gloves.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Avoid contact with eyes and skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Information on basic physical and chemical properties

Physical State		Solid	
Appearance	Liquid saturated on wipe		Odor
Color	White		Odor Threshold
<u>Property</u>	<u>Values</u>		<u>Remarks • Method</u>
pH	6		
Melting Point/Freezing Point	Not available		
Boiling Point/Boiling Range	Not available		
Flash Point	Not available		
Evaporation Rate	Not available		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not available		
Lower Flammability Limit	Not available		
Vapor Pressure	Not available		
Vapor Density	Not available		
Specific Gravity	Not available		
Water Solubility	Not miscible		
Solubility in other solvents	Not determined		
Partition Coefficient	Not available		
Auto-ignition Temperature	Not available		
Decomposition Temperature	Not available		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties		Not determined	
Oxidizing Properties		Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks. High temperature and sources of ignition. Contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents. Acids.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Eye Contact**

Causes serious eye irritation.

Skin Contact

Prolonged or repeated exposure may cause skin to become dry or cracked.

Inhalation

Do not inhale.

Ingestion

Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Inhalation LC50

Isopropyl Alcohol
67-63-0

= 4396 mg/kg (Rat)

= 72.6 mg/L (Rat) 4 h

Proprietary	= 1540 mg/kg (Rat)	> 12.7 mg/kg (Rat) 4 h > 17.6 mg/L (F)) 1 h
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Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	OSHA
Isopropyl Alcohol 67-63-0		Group 3	X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

3.12% of the mixture consists of ingredient(s) of unknown toxicity.

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 a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustaceans
Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50
Proprietary		500: 96 h Brachydanio rerio mg/L LC50 1000: 96 h Lepomis macrochirus mg/L LC50	25.2: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993, Combustible Liquid, N.O.S." if it is shipped in bulk. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
NDSL	Does not comply
EINECS	Complies
ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Does not comply
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No	SARA 313 - Th Values %
Isopropyl Alcohol - 67-63-0	67-63-0	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X

16. OTHER INFORMATION**NFPA****Health Hazards**

2

Flammability

2

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2*

Flammability

2

Physical Hazards

0

Personal Protection

Not determined

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18-Jul-2014

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet