

Safety Data Sheet

Issue Date: 06-May-2020

Revision Date: 06-May-2020

Version 1

1. IDENTIFICATION

Product Identifier

Product Name

ANTI-FOG WIPES

Other means of identification

SDS #

HLAF-013WL

Product Code

LFT600 ANTI-FOG TOWELETTE

Recommended use of the chemical and restrictions on use

Recommended Use

Anti-fog wipe for eye glasses, goggles and eye/faceshields.

Details of the supplier of the safety data sheet

Supplier Address

MCR Safety

1255 Schilling Blvd. West

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)

Remark

This SDS is created on the basis of the evaluation of the liquid in the product.

2. HAZARDS IDENTIFICATION

Appearance: Liquid absorbed onto a towelette

Physical State: Solid containing liquid

Odor: Odorless

Classification

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

The information below is for the liquid only that is 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.

Eye Irritant 2A H319	Causes serious eye irritation	
Flammable Liquids		

Hazards Not Otherwise Classified (HNOC): No further relevant information available.

Signal Word

Warning

Hazard Statements

H319 Causes serious eye irritation



Precautionary Statements - Prevention

P264 Wash thoroughly after handling

P280 Wear eye/face protection

Precautionary Statements - Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	91 - 95
ethanol	64-17-5	1 - 4
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	1 - 3
sorbitan oleate	1338-43-8	0.5 - 1

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	If exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse eye immediately with plenty of water for at least 15 minutes. Keep eyes wide open while rinsing. If eye irritation persists, get medical advice/attention.
Skin Contact	Wash with soap and water. Rinse thoroughly. If irritation persists or an allergic reaction occurs, call a physician.
Inhalation	Move victim to fresh air. If symptoms persist, call a physician.
Ingestion	Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician.

Most important symptoms and effects

Symptoms	No further relevant information is available
-----------------	--

Indication of any immediate medical attention and special treatment needed

Notes to Physician	No further relevant information is available.
---------------------------	---

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical: No further relevant information is available

Hazardous Combustion Products: No further relevant information is available

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.
Avoid contact with eyes and skin.
Ensure adequate ventilation.
Use respiratory device in the event of fumes or aerosol.

Methods and material for containment and cleaning up

Environmental Precaution Do not allow to enter sewers, or surface or ground water.
Methods for Containment Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up Soak up with absorbent, liquid binding material. Pick up and transfer to properly labeled containers. Dispose contaminated material as waste according to item 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid contact with eyes and skin.
Ensure good ventilation at the workplace
Keep away from heat and direct sunlight
Keep receptacles tightly sealed
Prevent formation of aerosols
Normal measures for preventive fire protection

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep container tightly closed. Keep out of the reach of children. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
ethanol 64-17-5	Short Term: 1880 mg/m ³ , 1000 ppm	Short Term: 1900 mg/m ³ , 1000 ppm	Short Term: 1880 mg/m ³ , 1000 ppm

Appropriate engineering controls

Engineering Controls Eyewash stations. Ventilation systems
Keep away from food, beverages and feed.
Avoid contact with skin and eyes
Wash hands before breaks and after work

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Tightly sealed goggles
Skin and Body Protection	Protective gloves
Respiratory Protection	Suitable respiratory device

General Hygiene Considerations When using do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of the workday. Provided regular cleaning of equipment, work areas and clothing.

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

Physical State	Solid containing liquid	Odor	Odorless
Appearance	Liquid absorbed onto a towelette	Odor Threshold	No information available
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point/Boiling Range	100 C / 212 F	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in other solvents	No information available	
Partition Coefficient	Not determined	
Auto-ignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	No information available	

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No dangerous reactions known

Hazardous Polymerization	Hazardous polymerization does not occur.
--------------------------	--

Conditions to Avoid

No further relevant information available.

Incompatible Materials

no further relevant information available

Hazardous Decomposition Products

No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	May be harmful by inhalation, ingestion, or skin absorption
Eye Contact	Vapor may cause irritation.
Skin Contact	May be harmful in contact with skin. may cause irritation.
Inhalation	May be harmful if inhaled. Avoid breathing vapors or mists. May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7600 mg/kg (Rat)	not determined	= 20,000 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms	Skin corrosion/irritation: Irritating effect possible Serious eye damage/irritation: Irritating effect Respiratory or skin sensitization: Sensitization possible
-----------------	--

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

Carcinogenicity	Group 3 IARC components are "not classifiable as human carcinogens".
------------------------	--

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5		Group 1	None listed	None listed

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
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

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Aquatic toxicity:	No further relevant information available
Persistence and degradability:	No further relevant information available
Bioaccumulative potential:	No further relevant information available
Mobility in soil:	No further relevant information available
Other adverse effects:	No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Must not be disposed of together with household garbage. Do not allow liquid to reach sewer system.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste Status
Ethanol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

Note	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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethanol 64-17-5	Present	X		Present		Present	X	Present	X	X

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 313 and 355: None of the ingredients are listed

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethanol 64-17-5	X	X	X

16. OTHER INFORMATION

Issue Date: 8-Aug-2019

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