PYRAMEX

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name Fog Buster Towelette

Other means of identification

SDS # PYR-003

Product Code CRA003

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

Pyramex Safety Products LLC
281 Moore Lane
Collierville, TN 38017

Emergency Telephone Number

Company Phone Number 1-901-681-6100

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/m^3 STEL: 500 ppm STEL: 1225 mg/m^3

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

Information on basic physical and chemical properties

Physical State	Solid
Appearance	Liquid saturated on wipe
Odor	Sweet Slight Alcohol
Color	White

Property	Values
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
VOC Content	13.6%

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 (R) 1 h

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	Crustace
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 Daph mg/L EC50
Proprietary		500: 96 h Brachydanio rerio mg/L LC50 1000: 96 h Lepomis macrochirus mg/L LC50	25.2: 24 h Daphn 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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Disclaimer

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End of Safety Data Sheet