# **Safety Data Sheet**

Issue Date: 01-Aug-2007 Revision Date: 06-Aug-2015 Version 1

# 1. IDENTIFICATION

**Product Identifier** 

Product Name Water-Based Pepper Spray Fog + Green

Other means of identification

**SDS** # A23

UN/ID No UN1950

Recommended use of the chemical and restrictions on use

Recommended Use Self-defense.

Details of the supplier of the safety data sheet

**Supplier Address** 

FOX LABS International, Inc.

310 Church Street

Mount Clemens, MI 48043

**Emergency Telephone Number** 

Company Phone Number Phone: 586-783-5100

Fax: 586-783-5151 1-800-353-5053

Emergency Telephone (24 hr)

# 2. HAZARDS IDENTIFICATION

AppearanceClear green liquidPhysical StateAerosolOdorSlight sweet odor with a pungent

peppery overtone

## Classification

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Gases Under Pressure	Compressed Gas

### Signal Word Warning

### **Hazard Statements**

Causes serious eye irritation May cause drowsiness or dizziness Contains gas under pressure; may explode if heated



#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a poison center or doctor/physician if you feel unwell

### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed Store locked up Protect from sunlight

### **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	Proprietary
1,1,1,2-Tetrafluoroethane	811-97-2	Proprietary
1,2 Propanediol	57-55-6	Proprietary
Isopropanol	67-63-0	Proprietary
Oleoresin Capsicum	8023-77-6	Proprietary
Emerald green liquid color	N/A	Proprietary
Nitrogen	7727-37-9	Proprietary

<sup>\*\*</sup>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** Provide this SDS to medical personnel for treatment.

**Eye Contact** 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.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Do not cover effected area or use creams or ointments for 6 hours.

**Inhalation**IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. Give artificial respiration, if needed. Get medical attention if symptoms persist.

**Ingestion** Do not induce vomiting. Immediate transportation to hospital. Bring along these instructions.

### Most important symptoms and effects

**Symptoms** Causes serious eye irritation. May cause drowsiness or dizziness.

#### Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

### 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**

Contains gas under pressure; may explode if heated.

Hazardous Combustion Products Heated material may liberate irritating fumes.

### 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. Ventilate affected area.

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Absorb with inert material or sweep up, and then place in suitable container for chemical

waste. Dispose of contents/container to an approved waste disposal plant.

### 7. HANDLING AND STORAGE

### Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands,

and any exposed skin thoroughly after handling. Wear eye/face protection. Avoid breathing

dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

## Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from

sunlight. Store locked up.

Incompatible Materials Strong oxidizing/bleaching agents. Finely divided alkaline metals. Strong acids. Strong

alkalis.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropanol	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm
67-63-0	TWA: 200 ppm	TWA: 980 mg/m <sup>3</sup>	TWA: 400 ppm
		(vacated) TWA: 400 ppm	TWA: 980 mg/m <sup>3</sup>
		(vacated) TWA: 980 mg/m <sup>3</sup>	STEL: 500 ppm
		(vacated) STEL: 500 ppm	STEL: 1225 mg/m <sup>3</sup>
		(vacated) STEL: 1225 mg/m <sup>3</sup>	-

#### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Showers.

Eyewash stations. Ventilation systems.

# Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Chemical splash goggles. Refer to 29 CFR 1910.133 for eye and face protection

regulations.

**Skin and Body Protection** Suitable protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body

protection.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. Refer to 29 CFR 1910.134 for

respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State** Aerosol

**Appearance** Odor Clear green liquid Slight sweet odor with a

pungent peppery

overtone

Odor Threshold Color Not determined Green

Remarks • Method **Property Values** 

рΗ 6-8

**Melting Point/Freezing Point** Not determined **Boiling Point/Boiling Range** 71.1 °C / 160 °F

Flash Point None

**Evaporation Rate** (Ether = 1)<1

Flammability (Solid, Gas) Not determined **Upper Flammability Limits** Not determined **Lower Flammability Limit** Not determined

**Vapor Pressure** <30 mmHg @ 20°C (68°F)

Not determined

**Vapor Density** (Air=1)>1

**Specific Gravity** 0.9 (Water = 1) @ 25 °C (77 °F)

Water Solubility 50-90% Solubility in other solvents Not determined **Partition Coefficient** Not determined **Auto-ignition Temperature** Not determined **Decomposition Temperature** Not determined **Kinematic Viscosity** Not determined **Dynamic Viscosity** Not determined **Explosive Properties** Not determined

**Oxidizing Properties** 

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Additional Information % Volatile by weight 20-80

# 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**

Keep out of reach of children.

### **Incompatible Materials**

Strong oxidizing/bleaching agents. Finely divided alkaline metals. Strong acids. Strong alkalis.

### **Hazardous Decomposition Products**

Irritating fumes.

# 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** 

**Eye Contact** Causes serious eye irritation.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m <sup>3</sup> ( Rat ) 4 h
1,2 Propanediol 57-55-6	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Isopropanol 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
Oleoresin Capsicum 8023-77-6	> 3 g/kg (Rat)	> 2500 mg/kg ( Rat )	> 10000 g/m³ (Rat) 4 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** Group 3 IARC components are "not classifiable as human carcinogens".

#### A23 - Water-Based Pepper Spray

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropanol		Group 3		X
67-63-0				

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#### 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

STOT - single exposure

May cause drowsiness or dizziness.

### Numerical measures of toxicity

Not determined

# 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	Toxicity to	Crustacea
			microorganisms	
1,2 Propanediol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static		1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50
Isopropanol 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 1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static		13299: 48 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### **Bioaccumulation**

Not determined.

### **Mobility**

Chemical Name	Partition Coefficient
Isopropanol 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		
Isopropanol	Toxic		
67-63-0	Ignitable		

# 14. TRANSPORT INFORMATION

Please see current shipping paper for most up to date shipping information, including Note

exemptions and special circumstances.

DOT

UN/ID No UN1950 **Proper Shipping Name** Aerosols **Hazard Class** 2.2

**IATA** 

UN/ID No UN1950

**Proper Shipping Name** Aerosols, non-flammable

**Hazard Class** 2.2

**IMDG** 

**UN/ID No** UN1950 **Proper Shipping Name** Aerosols **Hazard Class** 2.2

# 15. REGULATORY INFORMATION

## International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Water	Present	Χ		Present			Χ	Present	Х	Χ
1,1,1,2-Tetrafluoroethane	Present	Х		Present		Present	Х	Present	Х	Х
1,2 Propanediol	Present	Х		Present		Present	Х	Present	Х	Х
Isopropanol	Present	Х		Present		Present	Х	Present	Х	Х
Oleoresin Capsicum	Present	Х					Χ	Present	Х	Χ
Nitrogen	Present	Х		Present			Х	Present	Х	Х

### 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**

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol - 67-63-0	67-63-0	5-25	1.0

### **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
1,2 Propanediol	X		X
57-55-6			
Isopropanol	X	X	X
67-63-0			
Nitrogen	X	X	X
7727-37-9			

### **16. OTHER INFORMATION**

NFPA	Health Hazards	Flammability	Instability	Special Hazards
HMIS	1 Health Hazards	0 Flammability	0 <b>Physical Hazards</b>	Not determined Personal Protection
	1	0	0	Not determined

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#### **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**