

# SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** FLEET™ Trigger Spray  
**Synonym(s)** EPA # 87093-2-53883  
**CAS #** Mixture  
**Product use** Flea and tick control  
**Manufacturer** Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507-1041  
Phone: 1-800-242-5562  
FAX: 281-892-2501  
**CHEMTREC** 1-866-897-8050

## 2. Hazards Identification

**Emergency overview** WARNING  
FLAMMABLE LIQUID  
Harmful if absorbed through skin, if swallowed or if inhaled.  
Causes moderate eye irritation.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes** Causes moderate eye irritation.

**Skin** Harmful if absorbed through skin.

**Inhalation** Harmful if inhaled.

**Ingestion** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Target organs** Skin. Respiratory system. Eyes.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**OSHA Regulatory Status** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential environmental effects** See section 12.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Isopropanol	67-63-0	90 - 100
Diethylene glycol monoethyl ether	111-90-0	2.5 - 10
Butylated hydroxyanisole	25013-16-5	0.1 - 1
Fipronil	120068-37-3	0.1 - 1

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Obtain medical attention if irritation develops or persists.

**Skin contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**General advice**

Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. 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. Avoid contact with eyes and skin. Keep out of reach of children.

## 5. Fire Fighting Measures

**Flammable properties**

Flammable by OSHA criteria. Vapors may travel to a source of ignition and flash back.

**Extinguishing media****Suitable extinguishing media**

Carbon dioxide. Alcohol foam. Dry chemical.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters****Protective equipment for firefighters**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products**

May include and are not limited to: Oxides of carbon.

**Explosion data****Sensitivity to mechanical impact**

Not available

**Sensitivity to static discharge**

Not available

## 6. Accidental Release Measures

**Personal precautions**

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Do not discharge into lakes, streams, ponds or public waters.

**Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Before attempting clean up, refer to hazard data given above and use appropriate personal protective equipment (PPE). Never return spills in original containers for re-use. Small Spills: Absorb with non-reactive absorbent and place in suitable, covered, labeled containers. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water. Contact emergency services and supplier for advice.

## 7. Handling and Storage

**Handling**

Use good industrial hygiene practices in handling this material.  
 Avoid contact with eyes, skin and clothing.  
 Keep away from heat and open flame.  
 Use only with adequate ventilation.  
 Avoid breathing vapors or mists of this product.  
 Wash thoroughly after handling.

**Storage**

Store in a cool (below 77F/25C) dry place inaccessible to children and pets. Do not store or use near heat or open flames or other sources of ignition. Protect from direct sunlight.

## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Butylated hydroxyanisole	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Diethylene glycol monoethyl ether	<b>ACGIH-TLV</b> TW A: 25 ppm <b>OSHA-PEL</b> Not established
Fipronil	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Isopropanol	<b>ACGIH-TLV</b> TW A: 200 ppm STEL: 400 ppm <b>OSHA-PEL</b> TW A: 400 ppm

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Safety glasses if eye contact is possible.

#### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

W here exposure guideline levels may be exceeded, use an approved NIOSH respirator.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. W hen using do not eat or drink. W ash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

Appearance	Clear, Non viscous
Color	Colorless
Form	Liquid
Odor	Alcoholic.
Odor threshold	Not available
Physical state	Liquid
pH	6.3
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	53 °F (11.66 °C)
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available

Relative density	0.789 g/mL (6.59 lb/gal)
Octanol/water coefficient	Not available
Solubility (H2O)	Non soluble
Viscosity	2.29 mPa.s

## 10. Stability and Reactivity

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Butylated hydroxyanisole	Not available
Diethylene glycol monoethyl ether	5240.0001 mg/l/4h rat
Fipronil	0.68 mg/l/4h rat
Isopropanol	16970 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Butylated hydroxyanisole	2000 mg/kg rat
Diethylene glycol monoethyl ether	5500 mg/kg rat
Fipronil	100 mg/kg rat
Isopropanol	4396 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Causes moderate eye irritation.
<b>Skin</b>	Harmful if absorbed through skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Sensitization** Non-hazardous by OSHA criteria.

**Chronic effects** Non-hazardous by OSHA criteria.

**Carcinogenicity** Contains a potential carcinogen.

#### ACGIH - Threshold Limit Values - Carcinogens

Isopropanol 67-63-0 A4 - Not Classifiable as a Human Carcinogen

#### IARC - Group 2B (Possibly Carcinogenic to Humans)

Butylated hydroxyanisole 25013-16-5 Supplement 7 [1987]; Monograph 40 [1986]

#### IARC - Group 3 (Not Classifiable)

Isopropanol 67-63-0 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]

#### NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

Butylated hydroxyanisole 25013-16-5 Reasonably Anticipated To Be A Human Carcinogen

#### U.S. - California - Proposition 65 - Carcinogens List

Butylated hydroxyanisole 25013-16-5 carcinogen, initial date 1/1/90

**Mutagenicity** Non-hazardous by OSHA criteria.

**Reproductive effects** Non-hazardous by OSHA criteria.

**Teratogenicity** Non-hazardous by OSHA criteria.

**Name of Toxicologically Synergistic Products** Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.	
<b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b>		
Isopropanol	67-63-0	96 Hr EC50 Desmodemus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodemus subspicatus: >1000 mg/L
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Diethylene glycol monoethyl ether	111-90-0	96 Hr LC50 Oncorhynchus mykiss: 11400-15700 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11600-16700 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 19100-23900 mg/L [flow-through]; 96 Hr LC50 Salmo gairdneri: 13400 mg/L [flow-through]
Isopropanol	67-63-0	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Diethylene glycol monoethyl ether	111-90-0	48 Hr EC50 Daphnia magna: 3940 - 4670 mg/L
Isopropanol	67-63-0	48 Hr EC50 Daphnia magna: 13299 mg/L
<b>Persistence / degradability</b>	Not available	
<b>Bioaccumulation / accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Chemical fate information</b>	Not available	

## 13. Disposal Considerations

<b>Disposal instructions</b>	Review federal, state and local government requirements prior to disposal. Typically municipal landfill will be appropriate. Do not reuse or refill this container.
<b>Waste from residues / unused products</b>	Review federal, state and local government requirements prior to disposal.
<b>Contaminated packaging</b>	Review federal, state and local government requirements prior to disposal.

## 14. Transport Information

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

<b>Proper shipping name</b>	Consumer commodity
<b>Hazard class</b>	9
<b>UN number</b>	ID8000
<b>Additional information:</b>	
<b>Special provisions</b>	None
<b>Limited quantity</b>	1L
<b>Excepted quantity</b>	1oz



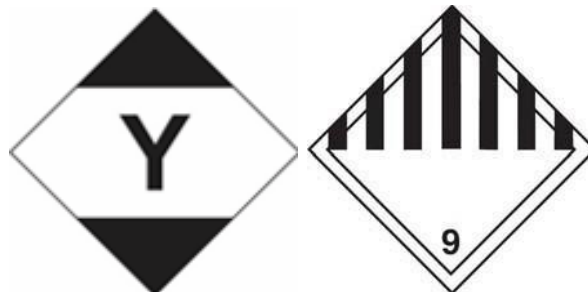
### IMDG (Marine Transport)

#### Basic shipping requirements:

<b>Proper shipping name</b>	Flammable liquid
<b>Hazard class</b>	3
<b>UN number</b>	1219, Isopropanol Solution, 3, II, limited quantity

**IATA/ICAO (Air)****Basic shipping requirements:**

**Proper shipping name** Consumer commodity  
**Hazard class** 9  
**UN number** ID8000  
**Additional information:**  
**Special provisions** A112  
**Excepted quantity** E0  
**Limited quantity passenger/cargo aircraft** 30 kg gross




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## 15. Regulatory Information

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**Occupational Safety and Health Administration (OSHA)****US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

Isopropanol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
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**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Butylated hydroxyanisole	25013-16-5	Present
Isopropanol	67-63-0	Present

**U.S. - California - Proposition 65 - Carcinogens List**

Butylated hydroxyanisole	25013-16-5	carcinogen, initial date 1/1/90
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**U.S. - Illinois - Toxic Air Contaminant Carcinogens**

Butylated hydroxyanisole	25013-16-5	IARC 2B Carcinogen; NTP Anticipated Carcinogen
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**U.S. - Massachusetts - Right To Know List**

Butylated hydroxyanisole	25013-16-5	Carcinogen; Extraordinarily hazardous
Isopropanol	67-63-0	Present

**U.S. - Minnesota - Hazardous Substance List**

Butylated hydroxyanisole	25013-16-5	Carcinogen
Diethylene glycol monoethyl ether	111-90-0	Present
Isopropanol	67-63-0	Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Butylated hydroxyanisole	25013-16-5	sn 3563
Isopropanol	67-63-0	sn 1076

**U.S. - Pennsylvania - RTK (Right to Know) List**

Isopropanol	67-63-0	Environmental hazard
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**U.S. - Rhode Island - Hazardous Substance List**

Isopropanol	67-63-0	Toxic; Flammable
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**Inventory status**

**Country(s) or region**

United States & Puerto Rico

**Inventory name**

Toxic Substances Control Act (TSCA) Inventory

**On inventory (yes/no)\***

No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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**16. Other Information**

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LEGEND HMS	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 1
Flammability	3
Physical Hazard	0
Personal Protection	X

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Prepared by**

Control Solutions Inc. (281) 892-2500

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

May 1, 2014