

**ICE-STOPPER™**  
A Bio-Safe, Eco-Safe Product  
Of the **EnviroSafe®** Technology  
**NON FLAMMABLE, Non-Toxic**



## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	<b>ICE-STOPPER™</b> (A Bio-Safe, Eco-Safe Product)
<b>Synonym:</b>	<b>IceStopper™ FR3</b>
<b>Chemical Name:</b>	N/A This product is a proprietary mixture
<b>CAS #:</b>	N/A This product is a proprietary mixture
<b>Chem Formula:</b>	N/A This product is a proprietary mixture
<b>EINECS Number:</b>	N/A This product is a proprietary mixture
<b>Product Use:</b>	The designed and intended use of this product is as an all fire class effective fire extinguishing agent usable
<b>Manufacturer/Supplier</b>	FireStopper International Limited
<b>Address:</b>	<b>N/A</b>
<b>Contact:</b>	info@firestopper.co
<b>MSDS Date:</b>	January 8, 2015

*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

## 2. COMPOSITION/INFORMATION ON THE COMPONENTS

<b>Component Name</b>	<b>CAS#/Codes</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>EU Classification</b>
<b>ICE-STOPPER™</b>	N/A			A proprietary aqueous solution, composed of organic and inorganic components

## 3. HAZARD IDENTIFICATION

### EU Main Hazards NON-HAZARDOUS LIQUID

THE PROPRIETARY INGREDIENTS IN THIS FORMULA ARE TRADE SECRETS. THE FORMULA IS THE PROPERTY OF THE FIRESTOPPER INTERNATIONAL LIMITED. THE MIXTURE HAS BEEN INDEPENDENTLY TESTED AND FOUND TO BE NOT AN EYE OR SKIN IRRITANT AND IS NON-TOXIC WHEN TESTED ACCORDING TO THE FHSA PROTOCOLS. IT IS JUDGED TO POSE NO CHRONIC HEALTH HAZARD AND NON-HAZARDOUS TO MARINE LIFE; ISO 14669 (1999) Water Quality -Determination of acute lethal toxicity to marine copepods (Copepoda; Crustacea), ISO 5667-16 (1998) Water Quality Sampling – Guidance on biotesting of samples, ISO 10253 2006 Water quality – Marine algal growth inhibition test with *Skeletonema costatum*, OSPAR Commission 2006 Part B. Protocol for a fish acute toxicity test, OECD guideline 306, 'Biodegradability in Seawater- Closed Bottle Method' (OECD 1992) Study (OECD 301 part A-F), FFC's meet "green" qualification. The FFCs require no special labeling or chronic health hazard warning statements and comply with FHSA regulations, 16 CFR 1500 and California Proposition 65.



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## 4. FIRST AID MEASURES

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- Eyes:** Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelid and call a physician immediately.
- Skin:** Wash affected area with soap and water. Obtain medical attention if irritation persists.
- Ingestion:** Dilute by drinking large quantities of water and obtain medical attention.
- Inhalation:** **Not likely**, Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.
- Advice to Physicians:** Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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### Extinguishing Media

This preparation can be used as an extinguishing agent and therefore is not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep pressurized extinguishers and surroundings cool with water spray as they may rupture or burst in the heat of a fire.

### Unusual Fire and Explosion Hazards

None

### Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

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## 6. ACCIDENTAL RELEASE MEASURES

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For cleanup purposes: use absorbent materials such as: diatomaceous earth, kitty litter, saw dust, cloth or sponge materials; sweep or mop up. Refer to Section 2, 8 & 12

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## 7. HANDLING AND STORAGE

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Storage area should be: - cool - dry - well ventilated - out of direct sunlight

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational Exposure Standards

Occupational exposure limits are listed below, if they exist.

**NONE**

### Engineering Control Measures

There should be local procedures for the selection, training, inspection and maintenance of this equipment.

### Respiratory Protection

Not normally required.

### Hand Protection

Not normally needed when used as a portable fire extinguisher. Use gloves if irritation occurs.

### Eye Protection

Not necessary-Chemical goggles or safety glasses with side shields could be used.

### Body Protection

Normal work-wear.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State** Liquid

**Color** Clear to slightly hazy

**Odor** mild

**Specific Gravity** 1.200 – 1.00

**Boiling Range/Point (°C/F)** Not applicable

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Flash Point (PMCC) (°C/F)** Not Flammable

**Solubility in Water** Soluble

**Vapor Density** Not applicable

**Vapor Pressure** Not applicable

**Evaporation Rate** Not applicable

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## 10. STABILITY AND REACTIVITY

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**Stability**

Stable under normal conditions.

**Conditions to Avoid**

Extreme high temperatures while in long-term storage

**Materials to Avoid**

- Strong oxidizing agents - strong acids – DO NOT USE WITH HYPOCHLORITE

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

N/A

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## 11. TOXICOLOGICAL INFORMATION

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Please see Section 2 Hazardous components statement

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## 12. ECOLOGICAL INFORMATION

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Please see Section 2 Hazardous components statement

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## 13. DISPOSAL

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This product is 100% biodegradable

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## 14. TRANSPORT INFORMATION

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**DOT CFR 172.101 Data** Not regulated

**UN Proper Shipping Name** Not regulated

**UN Class** None

**UN Number** None

**UN Packaging Group** None

This product is not a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, and is not regulated by the DOT, IMO, IATA, RID/ADR, or Canada's TDG.



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## 15. REGULATORY INFORMATION

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### SARA Title III Sect. 311/312 Categorization

N/A

### SARA Title III Sect. 313

This product does not contain any chemicals that are listed in Section 313 at or above de minimis concentrations.

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## 16. OTHER INFORMATION

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### NFPA Ratings

NFPA Code for Health - 0

NFPA Code for Flammability - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - None

### HMIS Ratings

HMIS Code for Health - 0

HMIS Code for Flammability - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection – N/A

### Abbreviations

ADR/RID: Agreement on Dangerous Goods by Road RID/Intl Transport of dangerous goods by rail

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

IMO: International Marine Organization

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

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## OTHER INFORMATION

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Chemicals in this product are not covered under specific State regulations, as denoted below:

**Alaska - Designated Toxic and Hazardous Substances: None**

**California – Permissible Exposure Limits for Chemical Contaminants: None**

**Florida – Substance List: None**

**Illinois – Toxic Substance List: None**

**Kansas – Section 302/303 Lists: None**

**Massachusetts – Substance List: None**

**Minnesota – List of Hazardous Substances: None**

**Missouri – Employer Information/Toxic Substance List: None**

**New Jersey – Right to Know Hazardous Substance List: None**

**North Dakota – List of Hazardous Chemicals, Reportable Quantities: None**

**Pennsylvania – Hazardous Substance List: None**

**Rhode Island – Hazardous Substance List: None**

**Texas – Hazardous Substance List: No**

**West Virginia – Hazardous Substance List: None**

**Wisconsin – Toxic and Hazardous Substances: None**

**California Proposition 65: No component is listed on the California Proposition 65 lists.**



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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information related only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in this text.