

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	FireStopper® PREDATOR FFC
Product code	None assigned
Chemical Name	Mixture
CAS No.	Mixture

1.2 Recommended use of the chemical and restrictions on use

Identified use(s)	Fire fighting foam premix
Uses advised against	None known

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	FireStopper International Limited (hereinafter: FireStopper®)
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Telephone	+1-310-822-3407
Fax	
E-Mail (competent person)	rb@firestopper.co

Additional Location	N/A
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Telephone	
Fax	

1.4 Emergency telephone number

Emergency Phone No.	310-822-3407
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2. SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Skin Irrit. 0
Eye Irrit. 0

2.2 Label elements

Product Name	FireStopper® TERMINATOR 136 FFC
Symbol	N/A
Signal word(s)	N/A
Hazard statement(s)	N/A
Precautionary statement(s)	P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P332+P313: If skin irritation occurs: Get medical advice/attention. 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. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents/container to: Observe Local

2.3 Other hazards

Regulations.
None known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures:

A proprietary aqueous solution, composed of organic and inorganic components and surfactant

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 301part A-F), FFC's meet "green" qualification according to "HOCNF" Protocols. The FFCs require no special labeling or chronic health hazard warning statements and comply with FHSA regulations, 16 CFR 1500 and California Proposition 65.

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
N/A	N/A	N/A	N/A	N/A	N/A

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Remove persons affected by vapour to fresh air.
Remove contaminated clothing immediately and wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for several minutes. If symptoms persist, obtain medical attention.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

This product is and extinguishing media that is compatible with all other Suitable Extinguishing Media

Unsuitable Extinguishing Media

None known

5.2 Special hazards arising from the substance or mixture

N/A

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- 6.2 **Environmental precautions** Avoid release to the environment.
- 6.3 **Methods and material for containment and cleaning up** Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.
- 6.4 **Reference to other sections** See Section: 7 & 8.




7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.
- 7.2 **Conditions for safe storage, including any incompatibilities** Store in a tightly closed container.
- Storage Temperature: Ambient
- Storage Life: Stable under normal conditions.
- Incompatible materials: Oxidizing agents
- 7.3 **Specific end use(s)** Industrial use

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters:** N/A
- 8.1.1 **Occupational Exposure Limits:** N/A

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
N/A						

- 8.1.2 **Biological limit value** Not established
- 8.1.3 **PNECs and DNELs** Not established
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 **Personal protection equipment**
- Eye/face protection: Wear protective eyewear (goggles, face shield, or safety glasses).
-  Skin protection (Hand protection/ Other): Wear protective clothing and gloves: (120 min break thru time)
-  Respiratory protection: Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
-  Thermal hazards: None.
- 8.2.3 **Environmental Exposure Controls** Avoid release to the environment when ever possible

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear, light amber
Odour	Not available.
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point (PMCC)	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density / Specific Gravity (25°C)	Not available.
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	17 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Not available.
10.2 Chemical stability	Not available.
10.3 Possibility of hazardous reactions	Not available.
10.4 Conditions to avoid	Not available.
10.5 Incompatible materials	Not available
10.6 Hazardous Decomposition Product(s)	Not available

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Ingestion	Not contemplated; rinse mouth, hydrate well. In the unlikely event that a discomfort become apparent, seek medical help
Inhalation	
Skin Contact	In the unlikely event that a reaction may take place, wash off with plenty of water and apply a moisturizer cream
Eye Contact	In the unlikely event that a reaction may take place, wash off with plenty of water

Effects and Symptoms

skin corrosion/irritation	N/A
Serious eye damage/irritation	N/A
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
Delayed and chronic effects	Not available
Calculated acute toxicity estimate (ATE)	Not available

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	N/A
12.2	Persistence and degradability	Not available.
12.3	Bioaccumulative potential	Not available.
12.4	Mobility in soil	Not available.
12.5	Results of PBT and VPVB assessment	Not available.
12.6	Other adverse effects	None known

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Do not empty into drains; dispose of this material and its container in a safe way.
13.2	Additional Information	Dispose of contents in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1	DOT / TDG / Road/Rail (ADR/RID)	Not classified as hazardous for road transport. Not classified as hazardous for rail transport.
14.2	Air (ICAO/IATA)	Not classified as hazardous for air transport.
14.3	Sea (IMDG)	Not classified as hazardous for marine transport.

15. SECTION 15: REGULATORY INFORMATION

No information available.

16. SECTION 16: OTHER INFORMATION

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LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ
Toxicity DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration PBT
Persistent, Bioaccumulative and Toxic vPvB	very Persistent and very Bioaccumulative

Hazard statement(s) and Precautionary statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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P337+P313: If eye irritation persists: Get medical advice/attention.
P403+P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents/container to: Observe Local Regulations. **Hazard pictogram(s) and Hazard Symbol**

Additional Information**Disclaimers**

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. FireStopper® Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. FireStopper® accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved) resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.