

FER 1000 WFP

Safety Data Sheet

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200)



FER 1000 (WildFire Pro WFP) Safety Data Sheet

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture (Sales Packs 1000L and 25L containers)
Trade name : WFP

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Fire extinguishing &/or suppressant media.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Lifesafe Technologies Limited
1 Sopwith Crescent
Wickford
Essex
SS18YU
United Kingdom

Distributor

Fire Suppression Solutions
3744 Lovers Lane,
Slinger,
WI 53086
info@firess.us
001 (262) 777-8700

1.4. Emergency telephone number

Emergency number : 001 (262) 777-8700

Country	Organisation/Company	Emergency number	Comment
USA	CHEMTREC (North America):	1-800-424-9300	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to OSHA HCS (29 CFR 1910.1200)

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

FER 1000 WFP

Safety Data Sheet

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2.2. Label elements

Labelling according to OSHA regulations

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any hazardous ingredients at reportable concentrations according to OSHA criteria

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Show safety data sheet to the doctor in attendance. It is recommended to have eye wash facilities close by.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause irritation of the mucous membrane and respiratory system. Prolonged or repeated inhalation of mists may cause lung inhalation.
Symptoms/effects after skin contact	: Causes mild skin irritation. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: The product is supplied for use as a fire extinguishing agent. Use water spray to cool containers.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: Product is not explosive.
Hazardous decomposition products in case of fire	: The product is supplied for use as a fire extinguishing agent.

5.3. Advice for firefighters

Precautionary measures fire	: The product is supplied for use as a fire extinguishing agent.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

FER 1000 WFP

Safety Data Sheet

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|---|
| Protective equipment | : Refer to section 8 for suitable protective equipment. |
| Emergency procedures | : Avoid contact with skin and eyes. See section 8 of the SDS for more information on personal protective equipment. |

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment outside of its normal and intended use.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Absorb spilled material with sand or earth. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-----------------------------------|---|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|---------------------|---|
| Technical measures | : Does not require any specific or particular technical measures. |
| Storage conditions | : Store in a well-ventilated place. Keep cool. Protect against frost. |
| Packaging materials | : Plastic or plastic lined packaging. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No OSHA PELs or ACGIH TLVs established for ingredients

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

FER 1000 WFP

Safety Data Sheet

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8.2.2. Personal protection equipment

Personal protective equipment:

Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Not normally required under expected conditions of handling. Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Not normally required under expected conditions of handling. In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Color	: Colorless to pale yellow/milky.
Odor	: characteristic.
Odor threshold	: No data available
pH	: 7.0 – 8.0
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: ≈ 3 °F
Boiling point	: ≈ 212 °F
Flash point	: Product is not flammable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 68 °F	: No data available
Relative density	: No data available
Density	: 1.23 g/ml (10.264 lb/gal) @ 68°F
Solubility	: Miscible with water.

FER 1000 WFP

Safety Data Sheet

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extreme temperatures

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May release ammonia fumes under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 7.0 – 8.0
Serious eye damage/irritation	: Not classified pH: 7.0– 8.0
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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
Not rapidly degradable	

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Safety Data Sheet

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12.2. Persistence and degradability

FER 1000 WFP

Persistence and degradability

The product is organic so can be considered biodegradable, and is expected to degrade or disassociate.

12.3. Bioaccumulative potential

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Bioaccumulative potential

The product is not expected to bioaccumulate.

12.4. Mobility in soil

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Additional information

Not volatile. soluble in water

12.5. Results of PBT and vPvB assessment

Mobility: Non-volatile. Soluble in water.

PBT identification: This product is not identified as a PBT/vPvB substance

12.6. Other adverse effects

Other adverse effects

: Prevent liquid from entering sewers, waterways

Additional information

: Negligible ecotoxicity, not expected to cause significant environmental impact. Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

DOT (US)	IMDG	IATA	ADN	RID
14.1. UN number				
Not Regulated	Not Regulated	Not Regulated	Not applicable	Not applicable
14.2. UN proper shipping name				
Not Regulated	Not Regulated	Not Regulated	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not Regulated	Not Regulated	Not Regulated	Not applicable	Not applicable
14.4. Packing group				
Not Regulated	Not Regulated	Not Regulated	Not applicable	Not applicable
14.5. Environmental hazards				
Not Regulated	Not Regulated	Not Regulated	Not applicable	Not applicable
No supplementary information available				

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14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. Regulations

TSCA Inventory: All ingredients are listed or exempt.

SARA Title III: No reportable ingredients present.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive harm

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)

FER 1000 WFP

Safety Data Sheet

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Abbreviations and acronyms	
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Safety Data Sheet (SDS), US

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. This company shall not be held liable for any damage resulting from handling or from contact with the above product.