

SAFETY DATA SHEET

According to the REACH Regulations (EC) 1907/2006 amended by Regulation (EU) 2020/878

MSDS-013 v1.0 - January 2025

CheckFire Ltd. Sir Alfred Owen Way, Caerphilly, CF83 1NL T: 02920 868 333 W: www.checkfire.co.uk E: sales@checkfire.co.uk

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Product form:	Mixture
Product name:	LFX Premix
Type of product :	Extinguishing agents
Product group:	Blend

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

1.2.1 Relevant identified uses

Main use category:	Industrial, professional, and residential
Use of substance / mixture:	Extinguishing agents
Function or use category:	Foaming agents.

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet:

Supplier:	CheckFire Ltd.
Street:	Sir Alfred Owen Way
Postal City/Postal Code/Country:	Caerphilly, CF83 1NL, South Wales
Company telephone:	+44 (0) 2920 868 333 8am – 4:45pm EST Mon- Friday
Website / Email:	www.checkfire.co.uk sales@checkfire.co.uk
Dept Responsible for information:	Compliance

1.4 Emergency telephone number:

Emergency telephone number: +44 (0) 2920 868 333 8am – 4:45pm UK Mon- Friday

SECTION 2 : HAZARDS IDENTIFICATION:

2.1 Classification of substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

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 practices.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

EUH-statements: EUH208 – Contains 1,2-Benzisothiazol-3(2H)-one (2634-33-5). May produce allergic reaction.
EUH210 – Safety data sheet available on request

Hazard Pictograms	
Pictogram Code	EXCLAMATION MARK
Signal Word	WARNING
Hazard Statements	

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Physical Hazards	None
Health Hazards	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage
Environmental Hazards	H400 Very toxic to aquatic life.
Combinations	None
Precautionary Statements	
General	P101 If medical advice is needed, have product container or label at hand
Prevention	P264: Wash hands thoroughly after handling P280: wear eye protection / face protection
Response	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 eyes irritation persists: Get medical advice / attention

2.3 Other hazards

The product does not contain any PBT, vPvB, SVHC or endocrine disruptors in percentage greater than 0.1% in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product Identifier	%	Classification according to Regulation (EC) No 1272/2008 (CLP)
1,2-Benzisothiazol-3(2H)-one	CAS No. 2634-33-5 EC No. 220-120-9 EC Index No: 613-088-00-6	< 0.005	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens 1, H317 Aquatic Acute 1, H400

Full text of H- and EUH-Statements: see section 16.

Specific concentration limits:		
Name	Product Identifier	Specific concentration limits:
1,2-Benzisothiazol-3(2H)-one	CAS No. 2634-33-5 EC No. 220-120-9 EC Index No: 613-088-00-6	(0.05 ≤ C < 100) Skin Sens. 1, H317

SECTION 4 : FIRST AID MEASURES:

4.1 Description of first aid measures

First aid measures after inhalation:

Remove the victim to fresh air and keep comfortable for breathing. Consult a doctor/medical service if you feel unwell.

First aid measures after skin exposure:

Wash skin with plenty of water.

First aid measures after eye contact:

Wash immediately with plenty of water for at least 20 minutes, opening the eyelids fully. Consult an eye specialist. Rinse eyes with water as a precaution.

First aid measures after Ingestion:

Call a poisons centre or a doctor if you feel unwell.

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

Symptoms/effects and skin contact: Remove contaminated clothes.

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

Treat symptomatically

SECTION 5 : FIRE FIGHTING MEASURES

5.1 Extinguishing media

No additional information available.

5.2 Special hazards arising from the substance or mixture.

No additional information available.

5.3 Advice for fire fighters

Precautionary measures fire:

Evacuate area.

Firefighting instructions:

Exercise caution when fighting any chemical fire.

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

General measures:

Do not handle until all safety precautions have been read and understood.

6.1.1 For non-emergency personnel

Protective equipment:

Wear appropriate personal protective equipment.

Emergency Procedures:

Ventilate spillage area.

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. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.3 Methods and materials for containment and cleaning up.

Method for cleaning up:

Take up liquid into absorbent material. This material and its container must be disposed of in a safe way as per local legislation.

Other information:

Dispose of materials or solids residues at an authorised site.

6.4 Reference to other sections

For further information refer to section 13

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the workstation. 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:

Comply with applicable regulations.

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Storage conditions:	Store in a well-ventilated place. Keep cool.
Incompatible products:	Strong bases. Strong acids. Oxidizing agents. Strong reducing agents.
Storage temperature:	0 - 50°C
Heat and ignition sources:	Avoid high temperatures. Protect from low temperatures.
Storage area:	Keep container in a well-ventilated place. Keep away from heat and direct sunlight.
Special rules on packaging:	Store in accordance with local, regional, national, or international regulations. Keep only in original container.

7.3 Specific end uses (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 additional information available

8.1.2 Recommended monitoring procedures

No additional information available

8.1.3 Air contaminants formed.

No additional information available

8.1.4 DNEL and PNEC

No additional information available

8.1.5 Control banding

No additional information available

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation at the workstation.

8.2.2 Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

Personal protective equipment symbol(s).



8.2.2.1 Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses.

Physical state			
Type	Field of application	Characteristics	Standard
Safety goggles, safety glasses		With side shields	EN 166

8.2.2.2 Skin protection

Skin and body protection:

Wear suitable protective clothing.

Hand protection:

Protective gloves.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves					EN ISO 374

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Other skin protection:

Materials for protective clothing:

Wear personal protective equipment. Chemical resistant safety shoes. Keep suitable chemically resistant clothing readily available for emergency use

8.2.2.3 Respiratory protection

Respiratory protection:

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 environment.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties – extinguishing agent

Physical state	Liquid
Colour	Colourless to slightly yellow
Odour	Characteristic
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling Point	Not available
Flammability	Not applicable
Explosive limits	Not applicable
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash Point	Not available
Autoignition temperature	Not available
Decomposition temperature	Not available
pH	6-9
Kinematic viscosity	Not available
Dynamic viscosity	0-6
Solubility	Water solubility
Partition coefficient n-octane/water (log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50°C	Vapour pressure
Density	1-1.03
Relative vapour density at 20°C	Not available
Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes:

No additional information available

9.2.2 Other safety characteristics

Refractive index:

1.33-1.36

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

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

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10.2 Chemical stability

The product is stable in normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known to occur under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in regulation (EC) No. 1272/2008

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion / irritation	Not classified
	pH 6-9
Serious eye damage / irritation	Not classified
	pH 6-9
Respiratory or skin sensitisation	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

11.2 Information on other hazards

No additional Information available

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 aquatic environment, short-term (acute):

Not classified.

Hazardous to aquatic environment, long-term (chronic):

Not classified.

12.2 Persistence and degradability

LFX Premix	
Persistence and degradability	Readily biodegradable

12.3 Bio-accumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

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12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

SECTION 13 : DISPOSABLE INFORMATION

13.1 Water treatment methods

Regional legislation (waste):

Disposal must be done according to official regulations.

Waste treatment methods:

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

Sewage disposal recommendations:

Disposal must be done according to official regulations.

European List of Waste (LoW) code:

16 03 03* - inorganic wastes containing dangerous substances.

SECTION 14 : TRANSPORT INFORMATION

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

14.1 UN number or ID number

UN-No. (ADR):

Not applicable

UN-No. (IMDG):

Not applicable

UN-No. (IATA):

Not applicable

UN-No. (ADN):

Not applicable

UN-No. (RID):

Not applicable

14.2 UN proper shipping names

Proper shipping names. (ADR):

Not applicable

Proper shipping names. (IMDG):

Not applicable

Proper shipping names. (IATA):

Not applicable

Proper shipping names. (ADN):

Not applicable

Proper shipping names. (RID):

Not applicable

14.3 Transport hazard class(es)

ADR – Transport hazard class(es):

Not applicable

IMDG – Transport hazard class(es):

Not applicable

IATA – Transport hazard class(es):

Not applicable

ADN – Transport hazard class(es):

Not applicable

RID – Transport hazard class(es):

Not applicable

14.4 Packing group

Packing group ADR:

Not applicable

Packing group IMDG:

Not applicable

Packing group IATA:

Not applicable

Packing group ADN:

Not applicable

Packing group RID:

Not applicable

14.5 Environmental hazards

Dangerous for the environment:

No

Marine pollutant:

No

Other information:

No supplementary information available

14.6 Special precautions for user

Overland transport:

Not applicable

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Transport by sea:	Not applicable
Air transport:	Not applicable
Inland waterway transport:	Not applicable
Rail transport:	Not applicable

14.7 Maritime transport in bulk container to IMO instruments

Not applicable

SECTION 15 : REGULATORY INFORMATION

15.1 Safety, Health, and Environmental Regulations / Legislation Specific for the Substance or Mixture

15.1.1 EU Regulations

REACH Annex XVII (Restrictions List) :	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisations List):	Contains no substance(s) listed on REACH Annex XIV (Authorisations List)
REACH Candidate List (SVHC):	Contains no substance(s) listed on REACH Candidate List
PIC Regulation List (Prior Informed Consent):	Contains no substance(s) listed on PIC list (Regulation EU649/2012 concerning the export and import of hazardous chemicals).
POC Regulation List (Persistent Organic Pollutants):	Contains no substance(s) listed on POP list (Regulation EU2019/1021 concerning persistent organic pollutants).
Ozone Regulation (1005/2009):	Contains no substance(s) listed on Ozone Depletion list (Regulation EU 1005/2009 concerning substances that deplete the ozone layer).
Explosives Precursors Regulation (2019/1148):	Contains no substance(s) listed on Explosives Precursors list (EU Regulation 2019/1148 concerning marketing and use of explosive precursors).
Drug Precursors Regulation (273/2004):	Contains no substance(s) listed on Drug Precursors list (EU Regulation 273/2004 on the manufacture and the placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

15.1.2 National Regulations

France

Occupational diseases	
Code	Description
RG 65	Eczematiform lesions of allergic mechanism
RG 66	Occupational rhinitis and asthma

Germany

Water hazard class (WGK):	WGK 1, slightly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12 BImSchV):	Is not subject of Hazardous Incident Ordinance (12 BImSchV).

Netherlands

SZW-lijst van kankerverwekkende stoffen:	None of the components are listed.
SZW-lijst van mutagene stoffen:	None of the components are listed.
SZW-lijst van reprotoxische stoffen – Borstvoeding:	None of the components are listed.
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid:	None of the components are listed.
SZW-lijst van reprotoxische stoffen – Ontwikkeling:	None of the components are listed.

Denmark

Danish National Regulations:	Pregnant/breast feeding women working with the product must not be in direct contact with the products.
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Switzerland

Storage class (LK):	LK 10/12 - Liquids
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15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

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SECTION 16 : OTHER INFORMATION

LEGEND / 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
BLV	Biological limit value
CAS No.	Chemical Abstract Service Number
CLP	Classification Labelling Packaging Regulation : Regulation (EC) No. 1272/2008
CE50	Effective Concentration (required to induce a 50% effect)
CE No	Identifier in ESIS (European Archive of Existing Substances)
DMEL	Derived-Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European standard
EmS	Emergency Schedule
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association Dangerous Goods Regulations
IMDG	International Maritime Code for Dangerous Goods
IMO	International Maritime Organization
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No Observed Adverse Effect Concentration
OEL	Occupational Exposure Limit
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
PBT	Persistent Bio Accumulative Toxic
PNEC	Predicted No Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (EC Regulation 1907/2006)
RID	Regulation Concerning the International Transport of Dangerous Goods by Rail
SDS	Safety Data Sheet
TLV	Threshold Limit Value
TLV Ceiling	Concentration that should not be exceeded during any time of occupational exposure.
TWASTEL	Short term exposure limit
TWA	Time weighted average exposure limit
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bio Accumulative
WGK	Water Hazard Class
STOT	Specific Target Organ Toxicity

Other Information

The information contained in the present sheet is based on our own knowledge and believed accurate and reliable. This information is based on 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. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

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Full text of H- and EUH-statements	
Acute-Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
EUH208	Contains 1,2-Benzisothiazol-3(2H)-one(2634-33-5). May produce an allergic reaction
EUH210	Safety data sheet available upon request
Eye Dam. 1	Serious eye damage/irritation, Category 1
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1.

END OF SDS.