

SAFETY DATA SHEET

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



MSDS-007 CheckFire enviroFoam v1.1 – January 2025

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

1.1 Product identifier

| | |
|------------------|---|
| Product form: | Mixture |
| Product name: | enviroFoam – See Page 13 for applicable Fire extinguishers. |
| 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

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| | |
|---------------------------------|--|
| Hazard Pictograms | |
| Pictogram Code | EXCLAMATION MARK |
| Signal Word | WARNING |
| Hazard Statements | |
| 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 a 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 REACHAnnex 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%.

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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 | < 0.05 | 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) Skins Sens. 1, H317 |

SECTION 4 : FIRST AID MEASURES:

4.1 Description of first aid measures

First aid measures after inhalation:
doctor/medical service if

Remove the victim to fresh air and keep comfortable for breathing. Consult a
you feel unwell.

First aid measures after skin exposure:

Wash skin with plenty of water.

First aid measures after eye contact:
fully. Consult an

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

First aid measures after Ingestion:

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

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

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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

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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.

Storage conditions:

Store in a well-ventilated place. Keep cool.

Incompatible products:

Strong bases. Strong acids. Oxidizing agents. Strong reducing agents.

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.

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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 |

Other skin protection:

Materials for protective clothing:
suitable

Wear personal protective equipment. Chemical resistant safety shoes. Keep
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 the environment.

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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 | 1-6 |
| Solubility | Water solubility |
| Partition coefficient n-octane/water (log K _{ow}) | Not available |
| Vapour pressure | Not available |
| Density | 1.04-1.09 |
| 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: 1.34-1.38

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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

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

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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.

| | |
|----------------------|-----------------------------------|
| enviroFoam | |
| LC50-Fish [1] | 280 mg/l Zebra fish (Danio rerio) |
| EC50 - Daphnia [1] | 875 mg/l Daphnia magna Straus |
| EC50 72h - Algae [1] | 20 mg/l Scenedesmus subspicatus |

12.2 Persistence and degradability

| | |
|----------------------------------|-----------------------|
| Fluorine free foam Premix | |
| Persistence and degradability | Readily biodegradable |

12.3 Bio-accumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

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.

Wastetreatment methods:

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

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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 |
| 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

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SECTION 15 : REGULATORY INFORMATION

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

15.1.1 EU Regulations

REACHAnnex XVII (Restrictions List) : Contains no substance(s) listed on REACHAnnex XVII

(Restriction Conditions) **REACHAnnex XIV (Authorisations List)**: Contains no substance(s) listed on

REACHAnnex XIV (Authorisations List) **REACH Candidate List (SVHC)**: Contains no substance(s) listed on REACH Candidate List.

PICRegulation List (Prior Informed Consent): Contains no substance(s) listed on PIC list (Regulation EU649/2012 concerning the export and import of hazardous chemicals).

POCRegulation List (Persistent Organic Pollutants): Contains no substance(s) listed on POPlist (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).

15.1.2 National

Regulations

| 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 mutagenestoffen: 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

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Danish National Regulations:
with the products.

Pregnant/breast feeding women working with the product must not be in direct contact

Switzerland

Storage class (LK):

LK 10/12 - Liquids

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

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 |
| CASNo. | 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 BioAccumulative 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 |

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| | |
|--------------------------------|--|
| occupational exposure. TWASTEL | Short term exposure limit |
| TWA | Time weighted average exposure limit |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very BioAccumulative |
| 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.

| 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 sensitization, Category 1. |

This MSDS is applicable to the following products

| 2025 Product code | Previous Code |
|-------------------|---------------|
| FX-FFF-003-CCF | N/A |
| FX-FFF-006-CCF | FX-FFF-006 |
| FX-FFF-009-CCF | FX-FFF-009 |

END OF SDS.