

SAFETY DATA SHEET

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



MSDS-004 CheckFire Water with Additive v1.0 – January 2025

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

1.1 Product identifier.

| | |
|------------------|--|
| Product form: | Mixture |
| Product name: | Water with Additive fire extinguisher – See page 14 for applicable products. |
| Type of product: | Extinguishing agents |
| Product group: | Fire extinguisher |

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: | Fire extinguisher. |

1.2.2 Uses advised against.

No additional information available.

1.3 Details of the supplier of the safety data sheet.

| | |
|-----------------------------------|---|
| Supplier: | CheckFire Ltd. |
| Address: | Sir Alfred Owen Way Caerphilly, CF83 1NL, South Wales |
| Company telephone: | +44 (0) 2920 868 333 8am – 4:45pm EST Monday-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)

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.

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2.2 Label elements

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

EUH-statements

Hazard Pictogram, Singal words:



Pictogram Code:

H280

Signal Word:

Warning – Contains gas under pressure

| Hazard Statements | |
|--------------------------|---|
| Physical Hazards | Warning – Contains gas under pressure |
| Health Hazards | Does not meet the criteria for classification. |
| Environmental Hazards | Does not meet the criteria of classification as dangerous for the environment. |
| 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 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) |
|-------------------------------|---------------------------------------|-------------|--|
| Water | CAS No. 7732-18-5 EC No. 231-791-2 | 55 – 65% | - |
| Hydrocarbon Surfactants | CAS No. EC No. | 1.5 – 10.5% | - |
| 2-(2-butoxyethoxy) ethanol | CAS No. 112-34-5 EC No. 203-961-6 | 2.3 – 5.5% | - |
| Ammonium phosphate | CAS No. 7783-28-0 EC No. 231-987-8 | 4- 20 % | - |
| Carbamide | CAS No. 57-13-6 EC No. 200-315-5 | 3 – 6% | - |

This product does not contain substances classified as hazardous according to the European parliament and council regulation (EC) no 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing directive 67/548/EEC and 1999/45/EC, amending regulation (EC) no 1907/2006 in the concentration ranges specified.

Section 16 stated the importance of H-phrases and symbols.

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.

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| | |
|---|--|
| First aid measures after skin exposure: | Wash skin with plenty of water. Consult a doctor/medical professional if irritation persists. |
| 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. |
| First aid measures after Ingestion: | Do not induce vomiting. Seek medical advice if necessary. |

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Foams, Carbon Dioxide, Dry powder fire extinguishers.

5.2 Special hazards arising from the substance or mixture.

The product is not flammable. Pressurized containers may explode if exposed to heat or fire.

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 act without suitable protective equipment. Self-contained breathing apparatus. |

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 act without suitable protective equipment. Provide adequate ventilation. Avoid |
|-----------------------|--|

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contact with eyes. For further information refer to section 8. "Exposure controls/ personal protection".

6.2 Environmental precautions

Avoid release to the environment. In the event of a serious pollution event notify the appropriate administrative authority. Collect all waste in suitable and labelled containers and dispose of it 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 authorized 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

Storage conditions: Store in a well-ventilated place. Keep cool.

Heat and ignition sources: Avoid high temperatures.

Storage area: Keep container in a well-ventilated place. Keep away from heat and direct sunlight.

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Special rules on packaging:

Store in accordance with local, regional, national, or international regulations. Keep only in original container.

Specific end uses (s):

No additional information available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Substance name | TWA | STEL | BLV |
|----------------------------|-----|------|-----|
| Water | - | - | - |
| Hydrocarbon Surfactants | - | - | - |
| 2-(2-butoxyethoxy) ethanol | - | - | - |
| Ammonium phosphate | - | - | - |
| Carbamide | - | - | - |

EH40/2005 workplace exposure limits, fourth edition, published 2020, ISBN 978 0 7176 6733 8.

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

Mandatory general regulations on occupational health. Do not allow to exceed the normative concentrations of hazardous constituents in the workplace.

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.

| 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: 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

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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 | Clear |
| Odour | Odorless |
| Odour threshold | Not available |
| Melting point | Not applicable |
| Freezing point | Not applicable |
| Boiling Point | Not applicable |
| Flammability | Not applicable |
| Explosive limits | Not applicable |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Flash Point | Not applicable |
| Autoignition temperature | Not applicable |
| Decomposition temperature | Not applicable |
| pH | 8 |
| Kinematic viscosity | Not applicable |
| Dynamic viscosity | Not applicable |
| Solubility | 100% water soluble |
| Partition coefficient n-octane/water (log Kow) | Not applicable |
| Vapour pressure | Not applicable |
| Density | 1190kg/m ³ @25°C |
| Relative vapour density at 20°C | Not applicable |
| Particle characteristics | Not applicable |

9.2 Other information

9.2.1 Information with regard to physical hazard classes:

No additional information available

9.2.2 Other safety characteristics

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable in normal conditions.

10.2 Chemical stability

The product is stable in normal conditions.

10.3 Possibility of hazardous reactions

Reacts with alkaline substances, producing ammonia.

10.4 Conditions to avoid

Exposure to direct sunlight – Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents – Water reactive materials.

10.6 Hazardous decomposition products

Ammonia

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 |
| Serious eye damage / irritation | Not classified |
| 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

Not specified.

12.2 Persistence and degradability

Not specified.

12.3 Bio-accumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Endocrine disrupting properties

Not specified

12.7 Other adverse effects

Not specified

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.

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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): | UN 1044 |
| 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): | Fire extinguishers with compressed or liquefied gas. |
| 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 |
|---------------------|----------------|

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

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 POList (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).

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

| Full text of H- and EUH-statements | |
|------------------------------------|--------------------------------|
| H302 | Harmful if swallowed |
| H319 | Causes serious eye irritation. |

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. | | |

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| | |
|-------------|--|
| 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, Authorization 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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This MSDS is applicable to the following products:

| 2025 Product code | Previous Code |
|-------------------|---------------|
| FX-WWA-003-DCF | WS3EA |
| N/A | WSWX6 |
| N/A | WSWX9 |
| N/A | WS6EA |

END OF MSDS