

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: FIREXO - PAN FIRE

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

Use of substance / mixture: Fire extinguishing media. Fire suppressant media.

1.3. Details of the supplier of the safety data sheet

Company name: FIREXO LIMITED

100 LONGWATER AVENUE

GREEN PARK

READING

BERKSHIRE

RG2 6GP

ENGLAND

Tel: +44 (0)207 989 6101 (09:00 - 17:00 Mon-Fri)

Fax: +44 (0) 207 989 6150

Email: support@firexo.com

1.4. Emergency telephone number

Emergency tel: +44 (0)207 9896151 (office hours only)

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: Skin Corr. 1A: H315; STOT SE 3:H335

Most important adverse effects: Can cause skin burns and eye damage. May cause respiratory irritation.

2.2. Label elements**Label elements:**

Hazard statements: H315: May cause skin irritation.

H335: May cause respiratory irritation.

H319: May cause eye irritation.

Signal words: Warning

INCI name: Contains Potassium Carbonate

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P261: Avoid breathing Dust.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P303+361+353: IF ON SKIN (or hair): Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

POTASSIUM CARBONATE - REACH registered number(s): 01-2119532646-36-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
209-529-3	584-08-7	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335	35-55%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing and wash skin with soap and water.
Get medical attention if any discomfort continues unless stuck to skin.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Give plenty of water to drink. Get medical attention if any discomfort continues.

Inhalation: Move affected person to fresh air at once. Get medical attention if any discomfort continues.

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

Skin contact: Can be irritating to skin.

Eye contact: Can cause serious eye irritation.

Inhalation: May cause respiratory system irritation.

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

Notes for doctor: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used. The product is developed for use in fire-fighting situations.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Thermal decomposition or combustion may liberate carbon oxides and other gases or

vapours. The product is developed for use in firefighting situations.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus and appropriate protective clothing. The product is developed for use in fire-fighting situations.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with water for waste disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid contact with the material.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in original container in a dry, cool and well-ventilated place. Protect from humidity.

Suitable packaging: Plastic. Plastic-lined.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

POTASSIUM CARBONATE

Workplace exposure limits:

Respirable dust

State	8-hour TWA	15 min. STEL	8-hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Not normally required under normal conditions of use. Wear suitable respiratory protection when aerosols or mist are present. Gas/vapour filter, type B: inorganic vapours excl. CO (EN141).

Hand protection: Wear Gloves (alkali-resistant). Butyl gloves. PVC gloves. Nitrile gloves where possible.

Eye protection: Wear safety glasses where possible. Ensure eye bath is to hand.

Skin protection: Wear protective clothes to prevent possibility of skin contact where possible.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless to pale yellow.

Odour: Barely perceptible odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Boiling point/range°C: ~ 100

Melting point/range°C: No data available.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: >93

Part.coeff. n-octanol/water: Not applicable.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: ~ 1.4 g/ml @ 20oC

pH: ~11 (Undiluted)

VOC g/l: Not applicable.

9.2. Other information

Other information: Product is not flammable. Much of physical chemical data is based upon primary ingredient.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not determined.

10.4. Conditions to avoid

Conditions to avoid: Avoid storing in excessive heat or cold for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid: Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: Thermal decomposition or combustion may liberate carbon oxides and other gases or vapours.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DUST/MIST	RAT	4H LC50	> 4.96 (Calc.)	mg/l
ORAL	RAT	LD50	> 2000 (Calc.)	mg/kg
DERMAL	RAT	LD50	> 2000 (Calc.)	mg/kg

Symptoms / routes of exposure

Skin contact: Can be irritating to skin.

Eye contact: Can cause serious eye irritation.

Ingestion: May cause discomfort if swallowed.

Inhalation: May cause respiratory system irritation.

Other information: There is no further information at this time.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
BLUEGILL (<i>Lepomis macrochirus</i>)	96H LC50	230 (Calc.)	mg/l
Daphnia magna	48H EC50	430 (Calc.)	mg/l

12.2. Persistence and degradability

Persistence and degradability: Components will degrade in water and soil.

12.3. Bioaccumulative potential

Bioaccumulative potential: Product is not expected to bioaccumulate.

12.4. Mobility in soil

Mobility: Non-volatile. Soluble in water.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects: Not determined.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: If unused. Transfer to a suitable container and arrange for collection by suitable disposal company.

Recovery operations: No information available at this time.

Section 14: Transport information

14.1. UN number

UN number: Not applicable

14.2. UN proper shipping name

Shipping name: Not applicable

14.3. Transport hazard class(es)

Transport class: No transport warning sign required.

14.4. Packing group

Packing group: Not applicable

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: Not applicable

Transport category: Not applicable

Section 15: Regulatory information

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

Specific regulations: No specific applicable legislation.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

* indicates text in the SDS which has changed since the last revision.

WARNING: For professional use only.

There are no levels set for this product thus normal standards of industrial hygiene should be observed.

Phrases used: H315: May or can cause skin irritation.

H319: may or can causes serious eye irritation.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.