

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name : P50 Foam (10% ASX – 1.5% BSX233)
Use : Fire Extinguisher Foam
Supplier : Britannia Fire Limited
Ashwellthorpe Industrial Estate
Ashwellthorpe
NR16 1ER
United Kingdom
Telephone : +44 (0) 1508 488416
E mail : sales@britannia-fire.co.uk

2. HAZARDS IDENTIFICATION

Primary route of exposure : Eyes contact. Skin contact.
Symptoms relating to use
Inhalation : May cause irritation to the respiratory tract and to other mucous membranes.
Skin contact : Redness, pain.
Eye contact : Redness, pain. Blurred vision. Tears.
Ingestion : Swallowing of this product presents some health hazard. Must not Come into contact with food or be consumed.

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Not regulated.

2.2 Label elements

Labelling EC 67/548 or EC 1999/45
Labelling Regulation EC 1272/2008 (CLP)

* Precautionary statements

General : Handle in accordance with good industrial hygiene and safety procedures.
P103 - Read label before use.
Prevention : P202 - Do not handle until all safety precautions have been read and understood
Response : P301+312 - If swallowed, call a doctor if you feel unwell.
P302+350 - IF ON SKIN: Gently wash with plenty of soap and water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Storage : NA - Store in accordance with local, regional, national or international regulation.

Other hazards

Other hazards : None under normal conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1./3.2. Substance / Preparation

Substance / Preparation : Preparation.

Components : This product is not hazardous but contains hazardous components.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Urea :	Between 0.1 and 5 %	57-13-6	200-315-5	----	----	Xi; R36/37/38 ----- Undefined. (GHS)

4. FIRST AID MEASURES

4.1. Description of first aid measures

4.2. Most important symptoms and effects, both acute and delayed First aid measures

Inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.

Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.

Ingestion : Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Flammable class : Product used as extinguishing media.

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire.

Surrounding fires : Use water spray or fog for cooling exposed containers.

6. ACCIDENTAL RELEASE MEASURES

See Heading 8.

Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

Clean up methods : Collect spills and put it into appropriated container.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
- Handling : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Technical protective measures : Both local exhaust and general room ventilation are usually required.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.2. Exposure controls

- Personal protection
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Gloves.
- Skin protection : Skin protection appropriate to the conditions of use should be provided.
- Eye protection : Goggles.
- Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene : Provide local exhaust or general room ventilation.
- Occupational Exposure Limits : Urea : TLV - ACGIH [mg/m³] : 10
Urea : OSHA PEL [mg/m³] : 15

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

- Physical state at 20 °C : Liquid.
- Colour : Colourless to light yellow.

9.1.b. Odour

- Odour : Characteristic.

9.1.c.pH

No reliable data available.

9.1.d. Melting point / Freezing point

No reliable data available.

9.1.e. Initial boiling point - boiling range

No reliable data available.

9.1.f. Flash point

No reliable data available.

9.1.g. Evaporation rate

No reliable data available.

9.1.h. Flammability

9.1.i. Explosion limits (lower - upper)

No reliable data available.

9.1.j. Vapour pressure

No reliable data available.

9.1.k. Vapour density

No reliable data available.

9.1.l. Relative density

9.1.m. Solubility

No reliable data available.

9.1.n. Partition coefficient : n-octanol / water

No reliable data available.

9.1.o. Auto-ignition temperature

No reliable data available.

9.1.p. Thermal decomposition

No reliable data available.

9.1.q. Viscosity

No reliable data available.

9.1.r. Explosive Properties

No reliable data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stability and reactivity : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous properties : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicity information : Irritating to eyes, respiratory system and skin.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological effects information : No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

General : Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information : Not classified as dangerous in the meaning of transport regulations.
Not regulated

When transported in a stored pressure or cartridge type fire extinguisher, the fire extinguisher is considered a class 2.2 hazard.

The proper shipping name shall be FIRE EXTINGUISHER and the number is UN 1044.

14.1 UN Number

UN 1044

14.2 UN proper shipping name

Fire extinguisher

14.3 Transport hazard class(es)

2.2

14.4 Packaging group

Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
Ensure all national/local regulations are observed.

Chemical safety assessment

No data available.

*Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.
Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.*

Symbol(s) : None.

EC Labelling

R Phrase(s) : None.

S Phrase(s) : None.

16. OTHER INFORMATION

List of relevant R phrases (§ 3) : R36/37/38 : Irritating to eyes, respiratory system and skin.

List of relevant H phrases (Section 3) : H315 - Causes skin irritation
H319 - Causes serious eye irritation H335 - May cause
respiratory irritation

Revision : 1