

# 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 [ $\text{mg}/\text{m}^3$ ] : 10  
Urea : OSHA PEL [ $\text{mg}/\text{m}^3$ ] : 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