

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : BC Jet  
Use : Fire Extinguishing Powder for fire classes B & C  
Supplier : Britannia Fire Limited  
Ashwellthorpe Industrial Estate  
Ashwellthorpe  
NR16 1ER  
United Kingdom  
Telephone : +44 (0) 1508 488416  
E mail : [sales@britannia-fire.co.uk](mailto:sales@britannia-fire.co.uk)

## 2. HAZARDS IDENTIFICATION

In case of long lasting contact with fire extinguishing powders the skin may become dry.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical characterization:

Fire extinguishing powder based on sodium bicarbonate. Hazardous components:  
Does not contain dangerous materials as defined by ordinance on hazardous materials.

Main component

Sodium hydrogencarbonate

CAS-Nr.: 144-55-8

EINECS-Nr.: 205-633-8

## 4. FIRST AID MEASURES

In case of eye contact:

Rinse eyes immediately with water for at least 15 minutes. In case of persistent irritation consult eye specialist.

## 5. FIRE FIGHTING MEASURES

The product itself is not flammable. Adapt extinguishing measures to material stored in the immediate neighborhood.

## 6. ACCIDENTAL RELEASE MEASURES

Measures for cleaning/collecting : Small quantities can be removed by vacuum cleaners.  
Larger quantities shall be swept together: Disposal in accordance with local regulations.

## 7. HANDLING AND STORAGE

Product shall be stored under dry conditions in original packages.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with critical values that require monitoring at the workplace : none

General protective and hygienic measures:

Keep away from foodstuff and beverage. Avoid contact with skin and eyes.

Personal protection equipment: Respiratory protection:

Hand protection:

In case of high and long-lasting dust contamination use a dust mask.

If required, use gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

		Evaluation method:
Form:	Solid, similar to dust	
Colour:	White	
pH-value:	Approx. 8 (Suspension 10 % in Water).	DIN ISO 787/9
Decomposition temperature	Aprox. 60 °C	
Melting range:	> Approx. 850 °C (decomposition)	
Density:	Aprox. 2,2 g/mL at 20 °C	

## 10. STABILITY AND REACTIVITY

Avoiding conditions:

Avoid contact with acids and mixing with ABC fire extinguishing powders.

## 11. TOXICOLOGICAL INFORMATION

LD-50 Rat (oral) > 2000 mg/kg

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Manufacturer/Supplier: RUHL FEUERLOSCHMITTEL GMBH	Print date: 14.04.2010
Trade Name: BC Jet	Revision date: 08.12.2009

## 12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

Water hazard class (Germany): 1 (slightly polluting substance)

## 13. DISPOSAL CONSIDERATIONS

Product:

Residues of BC fire extinguishing powders have to be supplied to an approved waste disposal company.

Packaging:

Recommendation: Evacuate completely before delivering to a recycling company.

#### 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.

**UN Number**

UN 1044

**UN proper shipping name**

Fire extinguisher

**Transport hazard class(es)**

2.2

#### 15. REGULATORY INFORMATION Chemical safety assessment:

A chemical safety assessment for components in this preparation is not made.

Labelling according to EG guidelines: None

The product is not classified as dangerous according to EC Directives.

Hazardous components for labelling: None

National regulations (GERMANY):

(water hazard class): 1 (slightly polluting substance)

#### 16. OTHER INFORMATION

Authorisations and restrictions on use:

Product described in this safety data sheet may only be used for fire extinguishing purposes.

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The data are based on our current knowledge. However, they shall not constitute a guarantee for any specific product properties. Existing laws and regulations have to be observed by consignee in his own responsibility.

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