

MATERIAL SAFETY DATA SHEET

According to 91/155 EC



Date of Issue: **MAY 2005**

Reviewed On:

1. Identification of Substance

- Product Details: *Fire Extinguishing Powder*
- Trade Name: *Centrimax BC / BC 30 / BC 30S*
- Manufacturer/Supplier: *FlameStop Australia Pty Ltd
1/70 Gibbes Street
CHATSWOOD NSW 2067
Tel: +61 2 9932 2020
Fax: +61 2 9932 2022*
- Informing Department: *Product Safety Department*

2. Composition/Data on components

CAS No. Designation

Sodium Bicarbonate	<i>144-55-8</i>
Calcium Carbonate	<i>1317-65-3</i>

3. Hazard Identification:

- Hazard Designation: *Non Hazardous*
- Information Pertaining to Particular Dangers for Man and Environment: *Not Known*

4. First Aid Measures

- General Information: *No special measures. Seek Medical advice for symptomatic treatment if necessary.*
- After Inhalation: *Move to fresh air. Keep warm and at rest.*
- After Skin Contact: *Wash off with water.*
- After Eye Contact: *Irrigate with water or eyewash solution.*
- After Swallowing: *Wash mouth with water and give plenty of water to drink.*

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5. Fire Fighting Measures

- Suitable Extinguishing Agents: *Not applicable
Fire Extinguishing Agent*
- Protective Equipment: *No special measures required*

6. Accidental Release Measures

- Person Related Safety Precautions: *Not Required*
- Measures for Environmental Protection: *No special measures required*
- Measures for Cleaning/Collecting: *Sweep up or use vacuum cleaner*
- Additional Information: *Occupational Exposure Limit (OEL)
10mg/m³ (8 Hour TWA) Total dust*

7. Handling and Storage

Handling

- Information for Safe Handling: *Good Housekeeping Practices*
- Information about Protection against Explosions & Fires: *No special measures required*

Storage

- Requirements to be met by Storerooms and Containers: *Dry, cool, absence of vibration*
- Information about Storage in one Common storage facility: *None*
- Further Information about Storage Conditions: *Dry, cool, absence of vibration*
- Storage Class: *None required*
- Class According to regulation on Inflammable liquids: *Not applicable*

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8. Exposure Controls and Personal Protection

- Additional Information about design Of Technical Systems: *See item 7*
- Components with critical values that Require monitoring at the workplace: *Not required*

CAS No. Designation of Material % Type Value Unit

- Additional Information *The lists that were valid during compilation were used as basis.*
- Personal Protective Equip: *Dust masks recommended.*
- General Protective and Hygienic Measures: *The usual precautionary measures Should be adhered to in handling chemicals.*
- Breathing Equipment: *Not required*
- Protection of Hands: *Not required. Gloves may be used.*
- Eye Protection: *Not required. Goggles may be used.*

9. Physical and Chemical Properties

- Form: *Powder*
 - Colour: *White*
 - Smell: *Odourless*
- Value/Range Unit Method
- Change in Condition: *Decomposes at 270 ° C in flame zone.*
 - Melting Point/Melting Range: *Not Determined*
 - Boiling Point/Boiling Range: *Not Determined*
 - Flash Point: *Not Determined*
 - Inflammability (solid gaseous): *Not Flammable*
 - Danger of Explosion; *Not Explosive*

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9. Physical and Chemical Properties (Con't)

- Density: *2.2g/cm³*
- Settled apparent Density: *1100-1600kg/m³*
- Solubility in/Miscibility with Water. *Soluble in water*
- pH Value: *(5%) in water at 20°C 7.5-8.5*

10. Stability and Reactivity

- Thermal Decomposition/Conditions To be Avoided: *Avoid humid conditions. Incompatible with acids.*
- Dangerous Reactions: *None*
- Dangerous Products of Composition: *None*

11. Toxicological Information

- Acute Toxicity: *Sodium Bicarbonate LD50(RAT)
= 4220mg/kg
Calcium Carbonate LD50(RAT)
= 6450mg/kg*
- Primary Irritant Effect on the Skin: *Minor Irritant*
- On the Eye: *Minor Irritant*
- Sensitization: *None Known*
- Additional Toxicological Information: *No harmful effects known*

12. Ecological Information

- General Notes: *Non Hazardous*

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13. Disposable Considerations

- Product Recommendation: *Routine waste disposal for Dry material.*
- Uncleaned Packaging Recommendation: *According to local authority regulations.*

14. Transport Information

None Required. *(Not Listed in CPL regulations 1984).*

15. Regulatory Information

- Designation According to EEC Guidelines:

The material is not subject to classification according to EC lists and other sources of literature known to us.

Observe the normal Safety Regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials

- National Regulations

Classification According to Vbf: *None*

- Water Hazard Class: *0*
(Assessment by List)

16. Other Information

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product featured and shall not establish a legally valid contractual relationship.

- Department Issuing Data Specification Sheet: *Product Safety Department.*
- Contact: *Technical Manager*
Sydney Australia 61-2-8972 4600

Technical Specification Centrimax BC Dry Powder

Composition:	<i>A fire extinguisher dry powder predominately based on sodium bicarbonate, treated with flow and moisture repellent additives.</i>
Application:	<i>Suitable for Less than Class B and C Fires.</i>
Appearance:	<i>A fine free flowing powder.</i>
Apparent Density:	<i>Not less than 0.95kg/cu.dm. when determined in accordance with DEF 1420.</i>
Moisture Sensitivity:	<i>Pellet crushing strength of less than 100g force and determined in accordance with DEF 1420.</i>
Moisture Content:	<i>Typically less than 0.25%.</i>
Specific Surface:	<i>Approximately 2500 sq.cm/g when determined using Fisher apparatus and typically 2900 sq.cm/g.</i>
Maximum Particle Size:	<i>355</i>
Particle Size >63u:	<i>15%.</i>
Temperature Stability Range:	<i>-60 C to + 55 C</i>
Corrosive or Abrasive Effects:	<i>Non corrosive or abrasive</i>
Physiological Properties:	<i>Non toxic</i> Not a process control parameter.