

## SAFETY DATA SHEET

Product Name **ABC DRY CHEMICAL POWDER (ABC 80)**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name **BULBECK FIRE INDUSTRIES**  
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 Synonym(s) ABC 80 - PRODUCT CODE • BULBECK ABC DRY CHEMICAL POWDER  
 Use(s) DRY CHEMICAL FIRE EXTINGUISHER • FIRE FIGHTING  
 SDS date 22 August 2013

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**RISK PHRASES**

None allocated

**SAFETY PHRASES**

None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN number</b>	None Allocated	<b>DG class</b>	None Allocated
<b>Packing group</b>	None Allocated	<b>Subsidiary risk(s)</b>	None Allocated
<b>Hazchem code</b>	None Allocated		

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
MONOAMMONIUM PHOSPHATE	CAS: 7722-76-1 EC: 231-764-5	Not Available	80 to 86%
AMMONIUM SULPHATE	CAS: 7783-20-2 EC: 231-984-1	Not Available	<6.5%
MICA	CAS: 12001-26-2 EC: 601-648-2	Not Available	<5%
METHYL HYDROGEN POLYSILOXANE	CAS: 63148-57-2 EC: 613-152-3	Not Available	<1%

### 4. FIRST AID MEASURES

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

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**Ingestion**                      For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.

**Advice to doctor**              Treat symptomatically.

**First aid facilities**              Eye wash facilities should be provided.

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**5. FIRE FIGHTING MEASURES**

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**Flammability**                      Non flammable. May evolve toxic gases (phosphorus/ nitrogen oxides, ammonia) when heated to decomposition.

**Fire and explosion**              No fire or explosion hazard exists.

**Extinguishing**                      Extinguishing agent.

**Hazchem code**                      None Allocated

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions**              Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

**Environmental precautions**        Prevent product from entering drains and waterways.

**Methods of cleaning up**              Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**References**                              See Sections 8 and 13 for exposure controls and disposal.

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**7. STORAGE AND HANDLING**

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**Storage**                              Store in an area designated for fire extinguishers. Signs should indicate fire extinguisher location. Extinguishers should be kept cool and dry and should not come into contact with any chemicals. Check regularly to ensure extinguishers are in good working order. Store removed from incompatible substances.

**Handling**                              Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure standards**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Mica	SWA (AUS)	--	2.5	--	--

**Biological limits**                      No biological limit allocated.

**Engineering controls**              Avoid inhalation. Use in well ventilated areas. In a fire situation, ventilation may be difficult to control. Contact emergency personnel. Maintain dust levels below the recommended exposure standard.

**PPE**

**Eye / Face**                              Wear dust-proof goggles.

**Hands**                                      Wear PVC or rubber gloves.

**Body**                                        Not required under normal conditions of use.

**Respiratory**                              At high dust levels, wear a Class P1 (Particulate) respirator.



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	BLUE POWDER
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	> 100°C
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	SOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE
% Volatiles	NOT AVAILABLE

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**10. STABILITY AND REACTIVITY**

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Chemical stability	Stable under recommended conditions of storage. Do not mix with BC type dry chemical extinguishing agents.
Conditions to avoid	Avoid contact with incompatible substances.
Material to avoid	Compatible with most commonly used materials. Avoid mixing with alkalis (eg. sodium hydroxide).
Hazardous Decomposition Products	May evolve toxic gases (phosphorus/ nitrogen oxides, ammonia) when heated to decomposition.
Hazardous Reactions	Polymerization will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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Health Hazard Summary	Low toxicity - low irritant. This product may present a hazard with direct eye contact, prolonged skin contact or with dust or fume inhalation at high levels. In a fire situation use appropriate safe work practices to avoid fume inhalation. Where necessary, trained fire or emergency personnel should be contacted.
Eye	Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness.
Inhalation	Low irritant. Over exposure may result in irritation of the nose and throat, with coughing. If heated, toxic ammonia and phosphorus oxides may be evolved. Over exposure to vapours may result in breathing difficulties and pulmonary oedema at high levels.
Skin	Non - low irritant. Prolonged or repeated contact may result in mild irritation. Some individuals may experience allergic reaction.
Ingestion	Ingestion is considered unlikely due to product form.
Toxicity data	AMMONIUM SULPHATE (7783-20-2) LD50 (ingestion) 640 mg/kg (mouse) LD50 (intraperitoneal) 610 mg/kg (mouse) LDLo (ingestion) 3500 mg/kg (domestic animal) TDLo (ingestion) 1500 mg/kg (man - gastrointestinal effects)  METHYL HYDROGEN POLYSILOXANE (63148-57-2) LD50 (ingestion) > 100 g/kg

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**12. ECOLOGICAL INFORMATION**

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Toxicity	No information provided.
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**Product Name**      **ABC DRY CHEMICAL POWDER (ABC 80)**

**Persistence and degradability**    No information provided.

**Bioaccumulative potential**        No information provided.

**Mobility in soil**                    No information provided.

**Other adverse effects**                Phosphate and ammonium salts are plant and algae nutrients. If excess phosphates or ammonium compounds are released to soil or water, the ecological system may be disturbed causing algal blooms and resultant fish toxicity.

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### 13. DISPOSAL CONSIDERATIONS

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**Waste disposal**                        No special precautions are required for the disposal of this product.

**Legislation**                             Dispose of in accordance with relevant local legislation.

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### 14. TRANSPORT INFORMATION

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

	<b>LAND TRANSPORT (ADG)</b>	<b>SEA TRANSPORT (IMDG / IMO)</b>	<b>AIR TRANSPORT (IATA / ICAO)</b>
<b>UN number</b>	None Allocated	None Allocated	None Allocated
<b>Proper shipping name</b>	None Allocated	None Allocated	None Allocated
<b>DG class/ Division</b>	None Allocated	None Allocated	None Allocated
<b>Subsidiary risk(s)</b>	None Allocated	None Allocated	None Allocated
<b>Packing group</b>	None Allocated	None Allocated	None Allocated
<b>Hazchem code</b>	None Allocated		

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### 15. REGULATORY INFORMATION

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**Poison schedule**                        A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory Listing(s)**                    **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

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### 16. OTHER INFORMATION

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**Additional information**                **PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**  
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	PEL	Permissible Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

**Revision history**

Revision	Description
1.0	Initial SDS Creation.

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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**End of SDS**