

# SAFETY DATA SHEET

## CHUBB ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER

Infosafe No.: LQ2FQ  
Issued Date: 19/07/2016  
Issued by: CHUBB FIRE & SECURITY

### 1. IDENTIFICATION

#### GHS Product Identifier

CHUBB ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER

#### Company Name

CHUBB FIRE & SECURITY

#### Address

314 Boundary Road Dingley  
Vic 3172 Australia

#### Telephone/Fax Number

Tel: +61 (3) 9264 9813  
Fax: +61 (03) 9264 9751

#### Emergency phone number

1300 369 309 (Business hours: 24/7)

#### Recommended use of the chemical and restrictions on use

Extinguishing fires

#### Other Names

Name	Product Code
CHUBB ABE40 DRY CHEMICAL POWDER FIRE EXTINGUISHER	
FLAMEGUARD R ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER	
QUELL ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER	
24/7 ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER	
CFA ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER	
KIDDE ABE DRY CHEMICAL POWDER FIRE EXTINGUISHER	

### 2. HAZARD IDENTIFICATION

#### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Gases under Pressure: Compressed Gas

#### Signal Word (s)

WARNING

#### Hazard Statement (s)

H280 Contains gas under pressure; may explode if heated.

#### Pictogram (s)

Gas cylinder

**Precautionary statement – Storage**

P410+P403 Protect from sunlight. Store in a well-ventilated place.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients**

Name	CAS	Proportion
Mica	12001-26-2	<10 %
Nitrogen	7727-37-9	<2 %
Ingredients determined not to be hazardous.		Balance

**4. FIRST-AID MEASURES****Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

**First Aid Facilities**

Eye wash and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Product is an extinguishing media. Use appropriate fire extinguisher for surrounding environment.

**Hazards from Combustion Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including ammonia.

**Specific Hazards Arising From The Chemical**

This product is non-combustible.

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dusts in the work atmosphere. Avoid inhalation of dusts, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Protect containers against physical damage. Store in a cool, dry, well-ventilated place, low fire risk area. Protect from extremes of temperature and weather. Do not allow any part of a cylinder to be exposed above 50°C. Storage areas should be kept clean and free from flammable materials. Ensure that containers are properly vented to prevent build up of pressure. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to AS 4332 The storage and handling of gases in cylinders.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure value assigned for this material. However, the available exposure limits for ingredients are listed below:

Mica (inspirable)

TWA: 2 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

### Biological Limit Values

No biological limit allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If solids/dusts are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield, side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable workwear, e.g. cotton overalls buttoned at neck and wrist should be worn.

### Other Information

Nitrogen is an asphyxiant gas which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for each simple asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Powder	Appearance	Peach or Grey coloured powder with compressed nitrogen in fire extinguisher.
Odour	Odourless	Melting Point	>100°C
Boiling Point	Not applicable	Solubility in Water	>90% after several hours.
Specific Gravity	Not available	pH	Not available
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable	Flammability	Non combustible
Auto-Ignition Temperature	Not applicable	Explosion Limit - Upper	Not available
Explosion Limit - Lower	Not available	Kinematic Viscosity	Not available
Dynamic Viscosity	Not available		

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with incompatible materials.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

Humidity

### Incompatible materials

Strongly caustic materials

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including ammonia.

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

Not available

### Ingestion

Ingestion may cause irritation to the gastric tract, with stomach pain, nausea and vomiting.

### Inhalation

Inhalation of dusts may irritate the respiratory system.

### Skin

Skin contact may cause mechanical irritation resulting in redness and itching.

### Eye

Eye contact may cause mechanical irritation. May result in mild abrasion.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not considered to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not considered to cause toxicity to a specific target organ through prolonged or repeated exposure.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

No ecological data are available for this material.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

The disposal of the waste material and the empty containers must be done in accordance with applicable local and national regulations.

'Empty' containers retain residue (liquid and/or vapour) and can be dangerous. Do not attempt to clean since residue is difficult to remove. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks and other sources of ignition. They may explode and cause injury or death. All containers should be returned to the supplier. Privately owned containers no longer required, should be disposed of in an environmentally safe manner, and in accordance with applicable regulations.

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## 14. TRANSPORT INFORMATION

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**Transport Information**

Road and Rail Transport (ADG Code):

This material is classified as Dangerous Goods Division 2.2 - Non-flammable Non-toxic Gases according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Division 2.2 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives

Division 2.1 Flammable Gases when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.

Division 2.3 Toxic Gases when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.

- Division 4.2, Spontaneously Combustible Substances

- Division 5.2, Organic Peroxides

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Division: 2.2

EmS: F-C,S-V

UN-No: 1044

Special Provisions: 225

Proper Shipping Name: Fire extinguishers with compressed or liquefied gas

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Division: 2.2

Packaging Instructions (cargo only): 213

Packaging Instructions (passenger & cargo): 213

Special Provisions: A19

UN-No: 1044

Proper Shipping Name: Fire extinguishers with compressed or liquefied gas

**U.N. Number**

1044

**UN proper shipping name**

FIRE EXTINGUISHERS

**Transport hazard class(es)**

2.2

**Special Precautions for User**

Not available

**IERG Number**

08

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

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## 15. REGULATORY INFORMATION

**Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

Not Scheduled

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## 16. OTHER INFORMATION

**Date of preparation or last revision of SDS**

SDS reviewed: July 2016

Supersedes: July 2013

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

## END OF SDS

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