



## SAFETY DATA SHEET

This safety data sheet complies with the requirements of: WHS regulation 2011

**Product name** Purple-K Dry Chemical

### Section 1: Identification: Product identifier and chemical identity

#### Product identifier

**Product name** Purple-K Dry Chemical

**Product code** 009335

#### Other means of identification

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

**Sold to the general public** No  
**Recommended use** Fire extinguishing agent

**Uses advised against** Consumer use

#### Details of manufacturer or importer

##### Supplier

Johnson Controls  
Level 3, 37 Dalmore Dr,  
Scoresby, VIC 3178,  
Australia  
Tel: +1300 725 688

#### For further information, please contact

Product Stewardship at +1-715-735-7411

#### Emergency telephone number

612 9037 2994 ( Australia)

### Section 2: Hazard(s) identification

#### GHS - Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

#### Label Elements

#### **Hazard statements**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS)

#### Other hazards which do not result in classification



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### Section 3: Composition and information on ingredients, in accordance with Schedule 8

#### Substance

Not applicable

#### Mixture

Chemical name	CAS No	Weight-%
Potassium bicarbonate	298-14-6	90 - 100%
Attapulgate	12174-11-7	0 - 10%
Mica	12001-26-2	0 - 10%
Quartz	14808-60-7	0 - 10%
Chemical name	CAS No	Weight-%
Non-hazardous ingredients	Proprietary	Balance

### Section 4: First aid measures

#### Description of first aid measures

Emergency telephone number	Poisons Information Centre, Australia: 13 11 26 Poisons Information Centre, New Zealand: 0800 764 766
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

#### Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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#### Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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### Section 5: Firefighting measures

#### Suitable extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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Unsuitable extinguishing media	No information available.
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#### Specific Hazards Arising from the Chemical

Specific hazards arising from the chemical	No information available.
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### **Special Protective Actions for Fire-Fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **Section 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

### **Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

### **Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: Handling and storage, including how the chemical may be safely used**

### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## **Section 8: Exposure controls and personal protection**

### **Control parameters**

#### **Exposure Limits**

Chemical name	Australia
Mica 12001-26-2	2.5 mg/m <sup>3</sup>
Quartz 14808-60-7	0.05 mg/m <sup>3</sup>



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#### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

### **Section 9: Physical and chemical properties**

#### Information on basic physical and chemical properties

<b>Physical state</b>	Powder
<b>Appearance</b>	No information available
<b>Colour</b>	violet
<b>Odour</b>	No information available.
<b>Odour threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	None known
<b>Melting point / freezing point</b>	No information available	None known
<b>Initial boiling point and boiling range</b>	No information available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No information available	None known
<b>Flammability</b>	No information available	None known
<b>Flammability Limit in Air</b>		No data available
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapour pressure</b>	No information available	None known
<b>Relative vapour density</b>	No information available	.? (air = 1)
<b>Relative density</b>	No information available	None known
<b>Water Solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No information available	None known
<b>Autoignition temperature</b>	No information available	None known
<b>Hyphen</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

#### Other information

<b>Softening point</b>	Not applicable
<b>Molecular Weight</b>	No data available
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	Not applicable



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## Section 10: Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

### Conditions to Avoid

Conditions to avoid None known based on information supplied.

### Incompatible materials

Incompatible materials None known based on information supplied.

### Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx).

## Section 11: Toxicological information

### 11.1. Information on likely routes of exposure

#### Product information

Inhalation May cause irritation of respiratory tract.

Eye Contact May cause irritation.

Skin contact May cause irritation.

Ingestion Ingestion may cause irritation to mucous membranes.

### Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium bicarbonate 298-14-6	> 2000 mg/kg (rat)	> 2000 mg/kg ( Rabbit )	> 4.88 mg/L ( Rat ) 4.5 h

### 11.2. Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.



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**11.3.****Carcinogenicity**

Attapulgit (palygorskite fibres) is a hydrated magnesium aluminium silicate. Long palygorskite (attapulgit) fibres (>5 micrometres) are possibly carcinogenic to humans (Group 2B). Short palygorskite (attapulgit) fibres (<5 micrometres) cannot be classified as to their carcinogenicity to humans (Group 3). The attapulgit present in this product contains fibers 0.5-2.5 um range, so would be considered by IARC as Group 3. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical name	ACGIH	IARC	NTP	OSHA
Attapulgit 12174-11-7	-	Group 3	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

*IARC (International Agency for Research on Cancer)**Group 3 - Not Classifiable as to Carcinogenicity in Humans**OSHA (Occupational Safety and Health Administration of the US Department of Labour)**X - Present***Reproductive Toxicity**

No information available.

**STOT - Single Exposure**

No information available.

**STOT - Repeated Exposure**

No information available.

**Target organ effects**

Respiratory system.

**Aspiration Hazard**

No information available.

**11.4. Numerical measures of toxicity - Product Information****Section 12: Ecological information****Ecotoxicity****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability**

No information available.

**Bioaccumulative potential****Bioaccumulation**

No information available.

**Mobility****Mobility in soil**

No information available.

**Mobility**

No information available.

**Other Adverse Effects****Other adverse effects**

No information available.



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## Section 13: Disposal considerations

### Waste Treatment Methods

#### **Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

#### **Contaminated packaging**

Do not reuse empty containers.

## Section 14: Transport information

### ADG

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

#### **Transport in bulk according to Annex II of MARPOL and the IBC Code**

No information available

## Section 15: Regulatory information

### REGULATORY INFORMATION

#### National regulations

##### Australia

See section 8 for national exposure control parameters

#### **Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

#### International Inventories

##### **TSCA**

Complies

##### **DSL/NDSL**

Complies

##### **ENCS**

Does not comply

##### **IECSC**

Complies

##### **KECL**

Does not comply

## Section 16: Any other relevant information

#### **Revision date**

22-Feb-2023

#### **Revision note**

No information available.

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend** Section 8: Exposure controls/personal protection



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TWA  
Ceiling  
c

TWA (time-weighted average)  
Maximum limit value  
carcinogen

STEL  
\*

STEL (Short Term Exposure Limit)  
Skin designation

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**