



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

#### 1.1. Product identifier

Product name : PHOS-CHEK® AquaGel-K  
Product code : AST10140

#### 1.2. Recommended uses and restrictions

Recommended use : Fire suppressant gel

#### 1.3. Supplier information

PC Australasia Pty Ltd - Trading as Phos-Chek® Australia  
46 Hudson Crescent, Lavington, NSW 2641, Australia  
T 02 6040 6900  
Emergency number : 0417 525 970

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification (GHS-AU)

Not classified

#### 2.2. Label elements

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

The components of this mixture are not classified as hazardous under the regulations and guidance relevant to this document.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a POISON CENTRE (Australia Telephone 13 11 26) or a doctor if you feel unwell.

#### 4.2. Symptoms caused by exposure

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Not combustible. For surrounding area use water spray, dry powder or foam.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : If indoors, ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up
- : Small release: Introduce good ventilation. Wear suitable gloves, dust mask and eye protection. Sweep up or vacuum up but avoid generating airborne dust. Place the recovered material in a suitable waste disposal container. Seal the container and label it to ensure proper disposal. Wash spill area with plenty of water. Take steps to prevent rinse water from entering drains or waterways.
  - : Large release: Isolate spill area and restrict entry of unprotected personnel. Wearing full personal protection equipment use a dry collection technique but avoid generating airborne dust. Place collected material into suitable sealable containers and label them to ensure proper disposal. Hose down residue with plenty of water. Take steps to prevent rinse water from entering drains or waterways.

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

### 7.1. Precautions for safe handling

- Precautions for safe handling
- : Practice sound industrial hygiene. Avoid generating dust. Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures
- : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions
- : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

An Australian exposure standard for this mixture has not been set by SWA, however, the limit for "nuisance dusts" is indicated and an ACGIH STANDARD for "particulates not otherwise classified" TLV exists and is shown below:

Nuisance Dust / Particles not Otherwise Classified		
Australia Exposure Standards (Nuisance dust)	TWA (8 hour)	10 mg/m <sup>3</sup> - Inhalable
ACGIH (Particles not Otherwise Classified)	TWA (8 hour)	10 mg/m <sup>3</sup> - Inhalable
ACGIH (Particles not Otherwise Classified)	TWA (8 hour)	3 mg/m <sup>3</sup> - Respirable

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

- Appropriate engineering controls
- : Ensure good ventilation of the work station.

### 8.4. Personal protective equipment

Personal protective equipment (PPE) listed below for general guidance only. Appropriate PPE must be determined for each specific work environment. Final choice will depend on the quantity used, equipment used, substance processing and airborne concentrations. Suitability of PPE for this substance should be confirmed with the respective PPE supplier.

- Hand protection
- : Protective nitrile rubber gloves.
- Eye protection
- : Chemical safety goggles.
- Skin and body protection
- : Wear suitable protective clothing with long-sleeves and legs.
- Respiratory protection
- : In case of insufficient ventilation, for routine work involving this material wear a class P1 dust mask. In case of a large spill or when working in enclosed spaces where dust is generated and airborne dust concentrations are unknown use a AS/NZ 1716 compliant full-face cartridge type respirator fitted with a class P3 particle filter (for selection see AS/NZ 1715).
  - : If personal protection equipment is the only possible means of respiratory protection in the normal, ordinary manufacturing environment or when working in confined spaces, use a full face air supplied respirator. □

- Environmental exposure controls
- : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

- Physical state
- : Solid
- Appearance
- : Granular
- Colour
- : White
- Odour
- : Undetermined
- Odour threshold
- : No data available
- pH
- : No data available
- Relative evaporation rate (butylacetate=1)
- : No data available

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Melting point / Freezing point	: Freezing point : Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: 0.5 g/cc
Solubility (Water)	: Insoluble, only capable of swelling
Partition coefficient n-octanol/water	: No data available
Viscosity	: Viscosity, dynamic : 1 - 20000 cPs (At mix ratios of 0.1 – 1.2%)
Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: No data available

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

### SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Hydrocarbons.

### SECTION 11: Toxicological information

Acute toxicity (oral)	: LD50/rat: > 2,000 mg/kg
Acute toxicity (dermal)	: LD50/rat: > 2,000 mg/kg
Acute toxicity (inhalation)	: Not classified.
Skin corrosion/irritation	: Rabbit: non-irritant (OECD Guideline 404)
Serious eye damage/irritation	: Rabbit: non-irritant (OECD Guideline 405)
Respiratory or skin sensitisation	: No sensitizing effect
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Carcinogenicity: A chronic (2-year) lifetime inhalation study in rats with respirable superabsorber polymer dust (micronized to < 10 µm diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m3. In the absence of chronic inflammation, tumors are not expected.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.

PHOS-CHEK® AquaGel-K	
Viscosity, dynamic	1 - 20000 cPs (at mix ratios of 0.1 -1.2%)
Viscosity, kinematic	Not applicable

Meets U. S.D. A., Forest Service requirements as described in Specification 5100-306a.

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

OECD Guide-line 203 static zebra fish/LC50 (96 h)	: > 100 mg/l
OECD Guideline 202, part 1 static Daphnia magna/EC50 (48 h)	: > 100 mg/l
OECD Guideline 201 green algae/EC50 (72 h)	: > 100 mg/l Nominal concentration
OECD Guideline 207 Eisenia foetida /LC50	: > 1,000 mg/kg

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### 12.2. Persistence and degradability

Biodegradation: Evaluation: The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

### 12.3. Bioaccumulative potential

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

PHOS-CHEK® AquaGel-K	
Fluorinated greenhouse gases	False
GWPmix comment	No known effects from this product.

## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. Proper Shipping Name - Addition

Not applicable

### 14.3. Transport hazard class(es)

#### ADG

Transport hazard class(es) (ADG) : Not Dangerous Goods

#### IMDG

Transport hazard class(es) (IMDG) : Not Dangerous Goods

#### IATA

Transport hazard class(es) (IATA) : Not Dangerous Goods

### 14.4. Packing group

Packing group (ADG) : Not applicable

### 14.5. Environmental hazards

Marine pollutant : No

### 14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available.

### 14.8. Hazchem or Emergency Action Code

Hazchem code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global Chemical Inventory Status:

AICS (Australia Inventory of Chemical Substances) : All components are listed.

TSCA (USA) : All components are listed or exempted.

#### Australia Regulations:

SUSMP: Not Scheduled

### 15.2. International agreements

No additional information available

## SECTION 16: Any other relevant information

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Revision date : 30/11/2017

Classification:

Not classified.

Phos-Chek® is a registered trademark of ICL Performance Products LP.

This safety data sheet (SDS) summarises as of the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since PC Australasia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use then product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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