



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

### 1.1. Product identifier

Product name : PHOS-CHEK® MVP-F  
Product code : AST10176

### 1.2. Recommended uses and restrictions

Recommended use : A long-term fire retarding agent used to control the spread of fire. It is batch mixed with water at 110 g/L and the solution is then applied, on the ground or by aircraft, to the vegetation in advance of the fire to impede combustion.

### 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

Not classified

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/Information on ingredients

None required

## 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 feeling 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 center/doctor/physician 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: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.  
If this mixture is vigorously mixed with plenty of water by water jet it acts as a fire retardant

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

Ammonia and phosphoric acid may be formed when this mixture is heated above 90°C.

### 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.

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### 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.

Restrict access to non-emergency personnel. Stop leak if safe to do so. Inform emergency services if substance has entered sewer, drains or waterways. Report major releases to the relevant emergency services.

### 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. Avoid breathing dust, mist or spray.

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. Avoid exposure to direct sunlight or sources of heat.

## 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 area. In areas where dusts are generated maintain dust concentration in air as low as is practicable using local exhaust ventilation.

### 8.4. Personal protective equipment Recommendations

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.

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### 9.1. SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Powder
Color	: Reddish
Odor	: Ammoniacal
Odor threshold	: No data available
pH	: 5 - 6
Relative evaporation rate (butyl acetate=1)	: No data available
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)	: Not combustible
Vapor pressure	: Not applicable
Relative density	: Not applicable
Density (use solution)	: 1.05 kg/L
Solubility	: > 110 g/L
Partition coefficient n-octanol/water	: No data available
Viscosity	: 400 – 600 cP (at 21°C, 110g/L aqueous concentration)
Explosive properties	: No data available
Explosion limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: No data available
Refractive Index (use solution)	7.75 – 9.75

### 10.1. 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	: None known.
Hazardous decomposition products	: Ammonia and Phosphoric acid.

### 11.1. SECTION 11: Toxicological information

	Powder Concentrate		Use Dilution Solution	
Acute toxicity (oral)	: Practically Nontoxic	Rat LD <sub>50</sub> , > 5,050 mg/kg	Practically Nontoxic	Rat LD <sub>50</sub> , > 5,050 mg/kg
Acute toxicity (dermal)	: No More Than Slightly Toxic	Rabbit LD <sub>50</sub> , > 2,020 mg/kg	No More Than Slightly Toxic	Rabbit LD <sub>50</sub> , > 2,020 mg/kg
Acute toxicity (inhalation)	: Not Classified	No Data	Not Classified	No Data
Eye Irritation (Single Washed)	: Minimally Irritating	Rabbit 24-hr 3.7/110	Non-Irritating	Rabbit 24-hr 0.0/110
Eye Irritation (Double Washed)	: Minimally Irritating	Rabbit 24-hr 3.3/110	Non-Irritating	Rabbit 24-hr 0.0/110
Skin Irritation	: Non-Irritating	Rabbit 24-hr 0.0/8.0	Non-Irritating	Rabbit 4-hr 0.0/8.0

Ingestion	: May cause nausea and vomiting if large amounts are ingested.
Dermal Exposure	: Minimal skin irritation. Effects and symptoms depend on duration of exposure and quantity the exposed to. They may range from a reddening of the skin to itching. Risk of skin absorption.
Acute toxicity (inhalation)	: Inhalation is possible only as dust. Inhalation of high dust concentrations may cause coughing and a dry sensation in the throat.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Aspiration hazard : Not classified

### 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

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.  
Aquatic acute : Not classified  
Aquatic chronic : Not classified  
Fish toxicity: (Rainbow trout) = 1845 mg/L/96 h

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

This mixture is an inorganic compound that readily dissolves and ionizes and hence will not bioaccumulate.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

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

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Fluorinated greenhouse gases	False
GWPmix comment	No known effects from this product.

### SECTION 13: Disposal considerations

Waste treatment methods : This product is a prescribed waste and may only be disposed of in accordance with applicable State and local regulations. These regulations vary from jurisdiction to jurisdiction and hence the user is counselled to seek advice from the local authority before considering disposal. The disposal information given below is a general guide and does not replace the requirement of the local regulations.  
DISPOSAL: If possible recycle, otherwise dispose strictly in accordance with local industrial waste or environmental protection regulations. If permitted the dry material may be considered for landfill. However do not allow the concentrate to contaminate soil, sewerage systems, surface or ground water. Local regulations must be observed when discharging dilute solutions into industrial waste systems.  
When large amounts of this product need to be disposed of the services of a registered, professional waste disposal organisation is highly recommended.

### 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

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### 14.6. Special precautions for user

Specific storage requirement : Keep containers closed and stored in a dry, moisture free environment.  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available.

### 14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

## SECTION 15: Regulatory information

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

#### Global Chemical Inventories:

Global Chemical Inventory Status:

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

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

Date of issue : 27/04/2017  
Superseded SDS dated : 02/2013  
Reason for revision : New Code of Practice (Model WHS Act of 2011, including amendments since 2011) classification and content.

Classification:

Not classified
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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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