



Safety Data Sheet

NOT HAZARDOUS ACCORDING TO THE CRITERIA OF AUSTRALIAN SAFETY AND COMPENSATION COUNCIL

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name: Phos-Chek ® AquaGel- K
Reference Number: AST10140
Date: 22 July 2015

Use of the ingredient or preparation

Fire Suppressant Gel

Company information

PC Australasia Pty Ltd
trading as Phos-Chek Australia
46 Hudson Crescent
Lavington NSW 2641

Emergency telephone:

In Australia call 02 6040 6900 or
Emergency Telephone Number: FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE,
EXPLOSION OR ACCIDENT CALL 0417 525 970

2. HAZARDS IDENTIFICATION

GHS – This product does not meet the criteria for classification under GHS

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

<u>Substance</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% w/w</u>	<u>Risk Phrases</u>
2-Propenoic acid, homopolymer, potassium salt	25608-12-2	n/a	92-98	None
Water	7732-18-5	231-791-2	2-8	None

4. FIRST AID MEASURES

General

Likely Routes of Exposure for solids and liquids: eye and skin contact, ingestion.
Remove contaminated clothing. Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Eye Contact

Immediately flush with plenty of water for at least 15 minutes. Seek medical attention.

Skin contact

Wash thoroughly with soap and water. If irritation develops, get medical attention.

Inhalation

Vapors are not generated by either the dry product or its aqueous slurries.

Ingestion

Immediately rinse mouth and then drink plenty of water. Do not induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media

Foam, dry chemical extinguishing media.

Unsuitable extinguishable media

No special requirements.

Exposure hazards

Becomes slippery when wet.

The product is not capable of dust explosion as supplied; however the build up of fine dust can lead to a risk of dust explosions. Avoid all sources of ignition: heat, sparks, open flame.

Protective equipment

Firefighters should be equipped with self-contained breathing apparatus & turn out gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Breathing protection required. Avoid unnecessary exposure and remove all material from eyes, skin and clothing.

Environmental precautions

Small quantities: Avoid discharge into the environment.
Large quantities: Contain with dust binding material and dispose of.

Method for cleaning up

Vacuum spill (using HEPA filter equipped system) if possible to avoid generating airborne dust. Avoid adding water; the product will become slippery when wet. Do not allow spillage into sewers, streams or storm conduits.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practices.

Engineering measures

Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult National Fire Protection Association (NFPA) Standard 91 for design of exhaust systems. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

Storage

Keep in tightly closed container in a cool place. Protect against moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limit

ACGIH TLV 10 mg/m³ (inhalable) 8-hr TWA, 3 mg/m³ (respirable) 8-hr TWA
OSHA PEL 15 mg/m³ (total dust) 8-hr TWA, 5 mg/m³ (respirable) 8-hr TWA

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

Respiratory protection

Avoid breathing powder. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Refer to OSHA 29 CFR 1910.133 or European Standard EN 149.

Hand/Skin protection

Chemical resistant protective gloves and closed work clothing is recommended. Wash soiled clothing immediately.

Eye protection

Tight fitting chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

- a) Appearance: White granules
- b) Odor: None
- c) Odor threshold: Undetermined.
- d) pH: Undetermined
- e) Melting point/freezing point: Undetermined
- f) Initial boiling point and boiling range: Undetermined.
- g) Flash point: Undetermined
- h) Evaporation rate: Undetermined.
- i) Flammability (solid, gas) : Undetermined.

- j) Upper/lower flammability or explosive limits: Undetermined.
 - k) Vapor pressure: Undetermined.
 - l) Vapor density: Undetermined.
- Relative density: 0.5 g/cc
- m) p
 - n) Solubility(ies) : Water: Insoluble, only capable of swelling
 - o) Partition coefficient: n-octanol/water: Undetermined.
 - p) Auto-ignition temperature: Undetermined.
 - q) Decomposition temperature: Undetermined.
 - r) Viscosity: Undetermined.

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.

General information

Appearance:
Odor: None

Important health, safety and environmental information

Bulk Density
H 5.3 - 6.3
Moisture Content 5.0% maximum
Solubility in Water

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.

10. STABILITY AND REACTIVITY

Product is stable if stored and handled as prescribed / indicated.

Conditions to avoid

Extreme heat.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition

Carbon Monoxide, Carbon Dioxide, hydrocarbons

11. TOXICOLOGICAL INFORMATION

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

Laboratory Data

Oral: LD₅₀/rat: > 2,000 mg/kg
Dermal: LD₅₀/rat: > 2,000 mg/kg
Skin irritation: rabbit: non-irritant (OECD Guideline 404)
Eye irritation: rabbit: non-irritant (OECD Guideline 405)
Sensitization: no sensitizing effect

Additional information

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.

Other information:

The statement was derived from products of similar composition.

12. ECOLOGICAL INFORMATION

Environmental toxicity

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

Toxicity to microorganisms:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

Environmental Fate

Decomposes in the presence of natural sunlight.

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

Bioaccumulation: 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.

13. DISPOSAL CONSIDERATIONS

European waste catalog number

Undetermined.

Disposal Considerations

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Consult your attorney or appropriate regulatory officials for information on such disposal. Incineration is the recommended method of disposal. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Road/Rail, Sea and Air

IMDG/UN - Not regulated for transportation

ICAO/IATA - Not regulated for transportation
RID/ADR - Not regulated for transportation
Canadian TDG - Not regulated for transportation
US DOT - Not regulated for transportation

15. REGULATORY INFORMATION

EC Label

None

Chemical Inventory

USA TSCA: Listed
Canada DSL: Listed
EC: Listed or otherwise exempt
Australia AICS Listed

WHMIS Classification: Not Controlled

SARA Hazard Notification

Hazard Categories Under Title III Rules (40 CFR 370): Not Applicable
Section 302 Extremely Hazardous Substances: Not Applicable
Section 313 Toxic Chemical(s): Not Applicable

CERCLA Reportable Quantity: Not Applicable

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Refer to Section 11 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	
Suggested NFPA Rating	1	0	0	
Suggested HMIS Rating	1	0	0	F

F = Safety glasses, gloves, apron and dust respirator

Reason for revision: Sections 2, 3, 9 Supersedes MSDS dated: 23 February 2010
Drafted in accordance with ECC Dir 2001/58/EC

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