



**ICL Performance
Products LP**

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name: Phos-Chek ® AquaGel- K Solution – Uncolored & Colored
Reference Number: AST10144
Date: October 3, 2006

Use of the ingredient or preparation

Fire Suppressant Gel Solution

Company information

ICL PERFORMANCE PRODUCTS LP
622 Emerson Road - Suite 500
St. Louis, Missouri 63141

Emergency telephone: In USA call CHEMTREC: 1 800 424 9300
In Canada call CANUTEC: 1 613 996 6666

General Information: +1 800 244 6169 (Worldwide)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

UNCOLORED SOLUTION

<u>Substance</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% v/v</u>	<u>Risk Phrases</u>
Water	7732-18-5	231-791-2	98.6 – 99.4	-
2-Propenoic acid, homopolymer, potassium salt	25608-12-2	n/a	0.4-1.2	-

COLORED SOLUTION – includes the following additional components

Styrene /Acrylate Copolymer Dispersion	-	-	0.1	-
Diazo Dye	-	-	0.1	-

3. HAZARDS IDENTIFICATION

Classification of the substance/preparation

EC Classification None
Safety Phrase None

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Human Health Effects

No significant hazards associated with this material.

Environmental Effects

This material is not expected to produce any adverse environmental effect when recommended use instructions are followed.

4. FIRST AID MEASURES

General

Likely Routes of Exposure: eye and skin contact, ingestion.

Eye Contact

Avoid contact with eyes. In case of contact, wash eyes with plenty of water. Seek medical attention if irritation develops or persists.

Skin contact

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

Inhalation

This product is not believed to pose an inhalation hazard. Product is gel solution.

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.

5. FIRE FIGHTING MEASURES

Extinguishing media

Non-flammable

Unsuitable extinguishable media

Non-flammable

Exposure hazards

Slippery

Protective equipment

Non-flammable. Besides standard firefighter protective equipment, no additional protective equipment should be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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

Environmental precautions

Small quantities: See below.

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Large quantities: See below.

Method for cleaning up

Flush spill area with large amounts of water.

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 in enclosed environments. 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.

Storage

No special requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limit

OSHA and ACGIH have not established specific exposure limits for this material.

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

As a general precaution, avoid breathing vapor and /or mist. No special respiratory protection required. 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.

Eye protection

Wear appropriate protective eyeglasses or chemical safety goggles as described in OSHA 29 CFR 1910.133 or European Standard EN166.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Uncolored Solution

Appearance:

Viscous clear liquid

Odor:

None

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Colored Solution

Appearance: Viscous red liquid

Odor: None

Important health, safety and environmental information

pH 6 – 8.5 (varies with pH of water used)

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

Viscosity decreases with ultraviolet (UV) exposure.

Materials to avoid

Salts

Hazardous decomposition

None known.

11. TOXICOLOGICAL INFORMATION

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

Laboratory Data

ICL Performance Products LP has not conducted toxicity studies with this material however, data on components are given below:

2-Propenoic acid, homopolymer, potassium salt, 0.4 – 1.2 % v/v

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

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. The statement was derived from products of similar composition.

Diazo Dye, 0.1% v/v

Acute toxicity Oral: LD50/rat: > 5,000 mg/kg

The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. ECOLOGICAL INFORMATION

ICL Performance Products LP has not conducted environmental toxicity studies with this material

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and no data were found in a reasonably extensive search of the literature. However, data on a component is given below:

2-Propenoic acid, homopolymer, potassium salt 0.4 – 1.2 % v/v (data below refers to the concentrated component):

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.

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

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15. REGULATORY INFORMATION

EC Label

None

Chemical Inventory

USA TSCA: 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	C

C = Safety glasses, gloves, apron

Reason for revision: New MSDS Supersedes MSDS dated: n/a
Drafted in accordance with ECC Dir 2001/58/EC

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