Material Safety Data Sheet

ICL Performance Products LP

RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name: Phos-Chek ® LC-95A
Reference Number: AST10097
Date: July 26, 2011

Use of the substance or preparation

Fire retardant

Company/Undertaking Identification

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
Outside the USA, including ships at sea, call CHEMTREC's international and maritime telephone number (collect calls accepted): +1 (703) 527-3887

General Information: +1 800 244 6169 (Worldwide)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Substance	CAS No.	%w/w	EINECS No.	Risk Phrase
Ammonium Polyphosphate Solution		> 85.0		none
Attapulgus Clay	8031-18-3	< 5.0	310-127-6	none
Iron Oxide	1332-37-2	< 5.0	215-570-8	none
Performance additives	Trade Secret	< 8.0	Listed	none

Performance additives are Company Trade Secret – Business Confidential. ICL Performance Products LP is withholding the specific chemical identity under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical identity will be made available to health professionals in accordance with 29 CFR 1910.1200(i)(1)(2)(3)(4).

3. HAZARDS IDENTIFICATION

Classification of the substance/preparation

None

Human health effects

This material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

Environmental effects

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

4. FIRST AID MEASURES

General

Likely Routes of Exposure: skin contact and inhalation.

Eye contact

Immediate first aid is not likely to be required. However, this material can be removed with water.

Skin contact

Immediate first aid is not likely to be required. However, this material can be removed with water. Wash heavily contaminated clothing before reuse.

Inhalation

Immediate first aid is not likely to be required. Remove material from eyes, skin and clothing.

Ingestion

Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice. Wash heavily contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Extinguishing media

No special requirement.

Unsuitable extinguishing media

No special requirement.

Exposure hazard

None known.

Protective equipment

As a general precaution, firefighters, and others exposed, wear full protective clothing and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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

Environmental precaution

Small quantities: See below.
Large quantities: See below.

Methods for cleaning up

Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush residual spill area with water.

Refer to Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

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.

Storage

Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed. The reuse of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided in the MSDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

OSHA and ACGIH have not established specific exposure limits for this material. This product is a water solution.

Respiratory protection

Avoid breathing vapor or mist. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Refer to U.S. OSHA regulations 29 CFR 1910.134 or European Standard EN 149.

Hand/Skin protection

Although this material does not present a significant skin concern, skin contamination should be minimized as good industrial practice. Wearing of protective gloves is recommended. Wash hands and contaminated skin after handling.

Eye protection

Although this material does not cause significant eye irritation or eye toxicity requiring special protection, good industrial practice should be used to avoid eye contact.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance:	red or orange liquid
Odor:	none
Solubility in Water:	> 95 %

Important health, safety and environmental information

pH:	5.0 – 6.5
Viscosity:	> 100 cps
Specific Gravity:	1.40 - 1.50 @ 25 ºC
Flash Point:	Not applicable

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 under normal conditions of storage and handling.

Conditions to avoid

None known.

Materials to avoid

None known.

Hazardous decomposition

None known.

11. TOXICOLOGICAL INFORMATION

Laboratory data

Oral - rat LD_{50}: > 5,050 mg/kg practically nontoxic
Dermal - rabbit LD_{50}: > 2,020 mg/kg; No More Than Slightly Toxic
Eye Irritation - rabbit: 10.2/110.0; minimally irritating
Skin Irritation - rabbit: 0.0/8.0 (24-hr. exp.); nonirritating

12. ECOLOGICAL INFORMATION

Environmental toxicity

Coldwater fish: 96-hr LC_{50} Rainbow trout: 435 mg/L, Practically Nontoxic

Environmental Fate

ICL Performance Products LP has not conducted environmental toxicity or biodegradation studies with this product.

13. DISPOSAL CONSIDERATIONS

European waste catalog number

Unknown

Disposal considerations

This product when discarded is a hazardous waste due to one or more hazardous characteristics (D004, D006, D007) as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Certain recycling activities may qualify for an exemption from RCRA. Consult your attorney or appropriate regulatory official for information on disposal and on the recycling exemption. Recycle or dispose of in accordance with local, state, provincial, and federal regulations.

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
ICOA/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

Undetermined

Chemical Inventory

USA TSCA	Listed
EU EINECS	Listed
Canada DSL/NDSL	Listed

WHMIS Classification: Not Controlled

Additional information

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/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	0	0	0	
Suggested HMIS Rating	0	0	0	

Reason for revision: Sections 1, 9, 11, 12, 15, & 16 revised.
Supersedes MSDS dated: December 3, 2010
Drafted in accordance with ECC Dir 2001/58/EC

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Responsible Care ® is a registered trademark of the American Chemistry Council.

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