



Material Safety Data Sheet



RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification

Product Name: Phos-Chek ® Insul-8
Reference Number: AST10155
Date: May 23, 2011

Use of the ingredient or preparation

Fire Suppressant Gel

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

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

In Canada call CANUTEC: 1 613 996 6666

General Information: +1 800 244 6169 (Worldwide)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

<u>Substance</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% v/v</u>	<u>Risk Phrases</u>
Triethanolamine	102-71-6	203-049-8	10-30	None

Components 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

EC Classification None
Safety Phrase None

Human Health Effects

Mildly irritating to eyes. Slightly irritating to skin.

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

Flush eyes with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention if irritation persists.

Skin contact

Flush with copious amounts of water for at least 15 minutes. Get medical attention if irritation persists. Remove contaminated clothing and launder before reuse.

Inhalation

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Ingestion

If conscious, wash out mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

5. FIRE FIGHTING MEASURES

This section applies to fires involving the concentrate rather than its diluted solutions.

Flash Point: >177 °F TCC

Fire Point: >199 °F TCC

Extinguishing media

Water spray, foam, dry chemical, and carbon dioxide.

Unsuitable extinguishable media

Not determined

Exposure hazards

Water will cause extreme slipperiness.

Protective equipment

Self contained respirators required for firefighting personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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

Environmental precautions

Small quantities: See below.

Large quantities: See below.

Method for cleaning up

For small spills, soak up with absorbent material. For large spills, dike to contain spill to prevent water pollution. Recover diked material.

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

Product is stable under normal conditions of storage and handling.

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

Appearance: Creamy yellowish liquid
Odor: Slight oily odor

Important health, safety and environmental information

Viscosity: 800 - 1200 cps
Specific Gravity: 0.960
Solubility in Water: Insoluble, will absorb 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

Conditions to avoid

Product is stable under normal conditions of storage and handling.

Materials to avoid

Oxidizing agents

Hazardous decomposition

Nitrogen Oxides, Carbon Oxides

11. TOXICOLOGICAL INFORMATION

Laboratory Data

Data from ICL Performance Products LP single-dose (acute) animal studies with this material are given below:

Oral - rat LD₅₀: > 5,050 mg/kg; practically nontoxic
Dermal - rabbit LD₅₀: > 2020 mg/kg; no more than slightly toxic
Eye Irritation - rabbit: 6.0/110.0; mildly irritating Single wash eyes
Eye Irritation - rabbit: 6.0/110.0; minimally irritating Double washed eyes
Skin Irritation - rabbit: 0.9/8.0 (24-hr exp.); slightly irritating

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

12. ECOLOGICAL INFORMATION

Environmental toxicity

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for aquatic organism toxicity.

96-hr LC₅₀ Rainbow trout: 1051 mg/l, Practically Nontoxic

Environmental Fate

Considered non-biodegradable per U.S. Forest Service Specification 5100.306a, OECD 301B, and OPPTS 835.3110(m). The product was found to be 56% biodegraded in 42 days.

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

15. REGULATORY INFORMATION

EC Label

None

Chemical Inventory

USA TSCA: Listed
Canadian DSL: Listed

WHMIS Classification: D2(B) - Materials Causing Other Toxic Effects

SARA Hazard Notification

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

CERCLA Reportable Quantity: Not Applicable

California Prop. 65: This product contains a component (< 1.0 %) that may contain residual (<100 ppm) concentrations of propylene oxide (CAS# 75-56-9).

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	B
				B = Safety glasses, gloves

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May 23, 2011

Reason for revision: Revised sections 1, 2, 3, 7, 11, & 12.

Supersedes MSDS dated: March 10, 2009

Drafted in accordance with ECC Dir 2001/58/EC

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