

# MATERIAL SAFETY DATA SHEET

## OPTI-BIND

Concentrate Liquid

### 1 - IDENTIFICATION

**Manufacturer:** KerrLab  
**Address:** 1717 West Collins Avenue  
**City, State, Zip:** Orange, CA 92867  
**Telephone:** 1-800-KERR-123  
**24-Hour Emergency:** Chemtrec 1-800-424-9300  
International 1-703-527-3887  
**Date Prepared:** September 8, 2005

### 2 - COMPOSITION INFORMATION

#### Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Phosphoric Acid	7664-38-2	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	50 - 60 %

#### Other Ingredients

Water

### 3 - PHYSICAL / CHEMICAL PROPERTIES

**Boiling Point:** 212 °F  
**Specific Gravity (H<sub>2</sub>O = 1):** > 1.2  
**Vapor Pressure (mm Hg):** Not Applicable  
**Melting Point:** N/A  
**Vapor Density:** N/A  
**Evaporation Rate:** N/A  
**Solubility in Water:** Partially soluble  
**Appearance and Odor:** Odorless, cloudy liquid

### 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Flammable Limits:** LEL: N/A UEL: N/A  
**Extinguishing Media:** Not considered to be a fire hazard  
**Special Fire Fighting Procedures:** None  
**Unusual Fire Fighting Procedures:** None

### 5 - REACTIVITY DATA

**Solution:** Stable  
**Conditions to Avoid:** Not Applicable  
**Incompatibility (Material to Avoid):** Strong caustics, metals, sulfides and sulfites  
**Hazardous Decomposition of Byproducts:** Toxic fumes of phosphorous oxides  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** N/A

### 6 - HEALTH HAZARD DATA

#### **Routes of Entry:**

**Eyes:** Corrosive. May cause redness, pain and eye burns.  
**Skin:** Corrosive. May cause redness, pain and skin burns.  
**Inhalation:** Inhalation is not an expected hazard unless misted or heated to high temperatures  
**Ingestion:** Corrosive - May cause sore throat and burns of the mouth and throat.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No OSHA Regulated: Yes

### 7 - EMERGENCY AND FIRST AID PROCEDURES

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention.  
**Eyes:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.  
**Ingestion:** Do not induce vomiting. Give large amounts of water and get medical attention.  
**Inhalation:** Remove to fresh air.

### 8 - PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** Absorb spills with inert material and transfer to suitable container for disposal.  
**Waste Disposal Method:** Incinerate in proper equipment. Dispose of in accordance with federal, state and local regulations.  
**Precautions to be Taken in Handling and Storing:** Store at normal room temperature (65°F - 75°F).  
**Other precautions:** Use according to directions. Contact with skin, soft tissue, and eyes should be avoided. May cause surface damage to soft tissue.

### 9 - CONTROL MEASURES

**Respiratory Protection (Specify Type):** N/A  
**VENTILATION**  
**Local Exhaust:** Not Necessary  
**Mechanical (General): Special:** Should be sufficient  
**Protective Gloves:** Wear impervious gloves to prevent skin contact.  
**Eye Protection:** Safety glasses or goggles.  
**Other Protective Clothing or Equipment:** None  
**Work/Hygiene Practices:** Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

### 10 - TRANSPORTATION INFORMATION

**Regulated:** DOT, IATA, IMO  
**Proper Shipping Name:** Phosphoric Acid Solution  
**Hazard Class:** 8  
**UN Number:** 1805  
**Packing Group:** III  
**Label:** Corrosive  
**Note:** See 49CFR 173.4

### 11 - SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System) Ratings:**  
H3 F0 R0  
[HAZARD INDEX: 4 - Severe; 3 - Serious;  
2 - Moderate; 1 - Slight; 0 - Minimum Hazard]