

# Material Safety Data Sheet



Transportation and Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

EPA Reg. No.: 67690-25

Revision Date: 11/28/2006

## Komeen<sup>\*</sup> Aquatic Herbicide

SePRO Corporation Carmel, IN 46032-4565

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** Komeen<sup>\*</sup> Aquatic Herbicide

**COMPANY IDENTIFICATION:**

SePRO Corporation

11550 North Meridian Street, Suite 600

Carmel, IN 46032-4565

[www.sepro.com](http://www.sepro.com)

**Information Phone:** 317-580-8282 (Monday - Friday, 8:00 am to 5:00 pm EST)

### 2. HAZARDOUS IDENTIFICATIONS

#### EMERGENCY OVERVIEW

Dark purple liquid with no odor.

- May cause moderate irritation to eyes and skin.
- Harmful if inhaled or swallowed.

**EMERGENCY PHONE NUMBER: 1-800-535-5053**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% by Wt.
Copper as elemental <sup>†</sup>	Not Available	8.0%

<sup>†</sup>Derived from copper-ethylenediamine complex (CAS# 13426-91-0) and copper sulfate pentahydrate (CAS# 7758-99-8).

Components not precisely identified are proprietary or not hazardous.

### 4. FIRST AID MEASURES

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have person sip a large glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

**EYES:** Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth to mouth. Call a poison control center or doctor for further treatment advice.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT & METHOD USED:** Not determined

**FLAMMABLE LIMITS:** Not determined

**AUTO-IGNITION TEMPERATURE:** Not determined

**EXTINGUISHING MEDIA:** Not determined

**FIREFIGHTING EQUIPMENT:** Wear self-contained breathing apparatus and full protective gear.

**GENERAL HAZARDS:** Prevent human exposure to fire, smoke, fumes or products of combustion.

**HAZARDOUS COMBUSTION PRODUCTS:** Decomposes above 200°C.

### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Cover spill with an absorbent material such as sweeping compound or lime. Sweep up and place in suitable (fiberboard) containers for disposal.

Report large spills to **INFOTRAC at 1-800-535-5053** and consult SePRO Corporation for assistance.

### 7. HANDLING AND STORAGE

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store near food or feed. Store in a clean, dry area at a temperature below 95°F (35°C). Product decomposes above 200°C. Average shelf life under proper storage conditions is 2 years.

**Keep out of reach of children.**

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### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

**EXPOSURE GUIDELINES:** Not Determined.

**VENTILATION:** Provide local exhaust ventilation and/or general dilution ventilation to meet published exposure limits.

**RESPIRATORY PROTECTION:** Wear dual cartridge respirator for dusts and mists.

**EYE/FACE PROTECTION:** Wear protective eyewear to prevent contact with this substance.

**SKIN PROTECTION:** Wear rubber gloves.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** Dark Purple

**PHYSICAL STATE:** Liquid

**ODOR:** None

**VAPOR PRESSURE:** No appreciable vapor pressure. Open containers can lose small amounts of water by volatilization.

**DENSITY (20°C):** 1.22 g/cm<sup>3</sup>

**SOLUBILITY IN WATER (20°C):** Soluble in water and alcohols.

**pH:** 9.62

**BOILING POINT:** 215°F. Loses water and decomposes at high temperatures.

### 10. STABILITY AND REACTIVITY

**STABILITY:** This material is stable under normal conditions.

**INCOMPATIBILITY:** (Specific materials/conditions to avoid) This product should not be used where pH of water is below 6 due to the possibility that the copper chelate may dissociate and release copper ions which could subsequently be precipitated as insoluble copper salts. Product should not be applied when water temperature is below 60°F.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposes above 200°C.

**HAZARDOUS POLYMERIZATION:** Material not known to polymerize.

### 11. TOXICOLOGICAL INFORMATION

**POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

**INGESTION:** Moderately toxic by ingestion. Oral LD<sub>50</sub> = 498 mg/kg.

**EYES:** Considered to be a moderate irritant. May cause redness, swelling, and discharge, but is reversible.

**SKIN:** Considered to be a slight irritant to the skin. Slightly toxic dermally. Material is a non-sensitizer to the skin. Acute dermal LD<sub>50</sub> > 2,000 mg/kg.

### 12. ECOLOGICAL INFORMATION

For detailed ecological information, contact SePRO Corporation at 317-580-8282.

### 13. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site per label use directions or at an approved waste disposal facility. Follow all local, state, and federal requirements for disposal.

**CONTAINER DISPOSAL:** Completely empty container into application equipment. Triple rinse (or equivalent) the container. Then dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORT INFORMATION

Department of Transportation (DOT)	Regulated
International Air Transport Association (IATA)	Regulated
International Maritime Organization (IMO)	Regulated

**Proper Shipping Name:** Copper Based Pesticide, Liquid, Toxic (Copper- Ethylenediamine Complex 8%)

Class	6.1
Identification No.	UN 3010
Packing Group	III

For additional shipping information contact SePRO Corporation at 317-580-8282 and speak with the Logistics Manager.

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### 15. REGULATORY INFORMATION

**NOTICE:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

#### U.S. REGULATIONS

**SARA TITLE III, SECTION 313:** To the best of our knowledge, this product contains no chemical subject to SARA Title III, Section 313 supplier notification requirements above de minimis concentrations.

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- An Immediate Health Hazard

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**STATE RIGHT-TO-KNOW:** This product is not known to contain any substances subject to the disclosure requirements of any state.

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) and HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):**  
(4 = Extreme; 3 = High; 2 = Moderate; 0 = Insignificant)

Health	1
Flammability	1
Reactivity:	0

**OSHA HAZARD COMMUNICATION STANDARD:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA OR SUPERFUND):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA):**  
To the best of our knowledge, this product does not meet the characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR 261.33.

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### 16. OTHER INFORMATION, USES AND RESTRICTIONS

**MSDS STATUS:** Creation Date – 03/08/05  
Revision Date – 11/28/06: All Sections

The information in this Material Safety Data Sheet relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the users' responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

**The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult SePRO Corporation for Further Information.**