

# MSDS Document

## Product ALGAE KIL 50

### 1. Chemical Product and Company Identification

#### Product ALGAE KIL 50

**MSDS ID** MSDS2500

**Manufacturer**

Haviland Consumer Products, Inc.  
421 Ann Street N.W.  
Grand Rapids, MI 49504

**Phone Number**

(616) 361-6691

**Emergency Phone**

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

**Revision Date** 00/00/00

|             |   |
|-------------|---|
| Health:     | 3 |
| Fire:       | 2 |
| Reactivity: | 0 |
| Specific    |   |

### 2. Composition and Information on Ingredients

| Ingredient  | CAS Number | Weight % | ACGIH TLV       | PEL             | STEL |
|---|------------|----------|-----------------|-----------------|------|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | 50 %     | Not Established | Not Established |      |
| Ethanol   | 64-17-5    |          | 1000 ppm        | 1000 ppm        |      |

### 3. Hazard Identification

**Emergency Overview**

Corrosive to eyes and skin. Harmful if swallowed. Inhalation may cause damage to the upper respiratory tract.

**Health Effects**

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness. Corrosive to the skin. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Inhalation of mists of this product may cause

severe irritation and burns to the respiratory tract.

**Carcinogenicity**

None of the components present in this material are listed by IARC or NTP as a carcinogen.

**Reproductive Effects**

Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

**Routes of Entry**

Inhalation, Ingestion, Skin or Eye Contact

**4. First Aid Information**

**Eye Contact**

Flush immediately with plenty of water for at least 15 minutes, get medical attention.

**Skin Contact**

Flush with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical attention.

**Inhalation**

Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

**Ingestion**

Call a physician immediately. Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to an unconscious person.

**5. Fire Fighting Measures**

|                    |                |
|--------------------|----------------|
| <b>Flash Point</b> | 130°F (54.4°C) |
| <b>FP Method</b>   | PMCC           |

**Extinguishing Media**

Water spray, foam, carbon dioxide, dry chemical

**Special Fire Fighting Procedures**

Fire fighters should use self-contained breathing apparatus and full protective clothing. Use water spray to cool fire exposed containers.

**Unusual Fire Hazard**

Can form combustible mixtures at temperatures at or above the flash point. Toxic gases will form upon combustion. Material can accumulate static charges which can cause an incendiary electrical discharge.

**6. Accidental Release Measures**

**Spill and Leak Procedures**

Eliminate all sources of ignition. Prevent entry into waterways, sewers, or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to

appropriate containers. Use clean non-sparking tools to collect absorbed material.

## 7. Handling and Storage

### Handling Procedures

Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

### Storage Procedures

Keep container closed. Store in a cool, well-ventilated place away from incompatible materials. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

## 8. Exposure Controls and Personal Protection

### Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable work place exposure limits.

### Eye Protection

Wear chemical goggles; face shield (if splashing is possible).

### Protective Gloves

Rubber or other impervious materials.

### Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

### Other Protective Equipment

Flowing water source should be available. Prevent contact with skin & clothing by using protective garments.

## 9. Physical and Chemical Properties

|                               |                      |
|-------------------------------|----------------------|
| <b>Physical State</b>         | Liquid               |
| <b>Specific Gravity</b>       | 0.965                |
| <b>Color/Appearance</b>       | Clear blue liquid    |
| <b>Odor</b>                   | Slight aromatic odor |
| <b>pH</b>                     | 6 - 8 (10% solution) |
| <b>Boiling/Cond. Point</b>    | Not Determined       |
| <b>Melting/Freezing Point</b> | Not Determined       |
| <b>Solubility</b>             | Complete             |
| <b>Vapor Density</b>          | Not Determined       |
| <b>Vapor Pressure</b>         | ~ 44mm Hg @ 68°F     |

## 10. Stability and Reactivity

### Chemical Stability

Stable

**Conditions to Avoid**

Keep away from excessive heat and incompatible materials. Avoid freezing.

**Incompatible Materials**

Strong oxidizing agents. Avoid contact with reducing agents.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide, and toxic hydrogen chloride vapors.

**Hazardous Polymerization**

Will not occur.

**11. Toxicological Information**

Acute Oral LD50: 880 mg/kg for male and female combined.

**12. Ecological Information**

No information available.

**13. Disposal Considerations****Waste Disposal**

Dispose of in an approved hazardous waste management facility. Dispose in accordance with all applicable federal, state and local regulations.

**14. Transportation Information****DOT Shipping Name**

Disinfectant, liquid, corrosive, n.o.s. (Quaternary Ammonium Compound)

**Hazard Class**

8, Corrosive

**UN Number**

UN1903

**Packing Group**

PG III

NOTE: Corrosive materials in Packing Group III in inner packagings not over 5.0 L (1.3 gallon) for liquids or 5.0 kg (11 pounds) for solids, packed in strong outer packagings, may be renamed "Consumer Commodity" and reclassified as ORM-D material. Total package may not exceed 30 kg (66 pounds) gross weight.

**15. Regulatory Information****TSCA**

All ingredients of this material are listed on the TSCA inventory.

**WHMIS**

Hazardous Component(s) subject to WHMIS Ingredient Disclosure.

**16. Other Information**

EPA Reg. No. 57787-7

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