

**RAMSEY®****MATERIAL SAFETY DATA SHEET**KIL-ODER COUNTRY MORNING  
DeodorizerDate Prepared: 02/12/1997  
Date Revised: 05/20/1997**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name/Use: KIL-ODER COUNTRY MORNING Deodorizer

**MANUFACTURER**The Ramsey Company  
120 Bartlett Street  
Marlborough, MA 01752-3065Ramsey Telephone Number: 800-421-2768  
Emergency Telephone (24 hours): 800-228-5635 Ext 118

33335

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Viable bacterial cultures	NA	3 - 7	NE	NE
Alkoxylated fatty alcohol	69227-21-0	1 - 5	NE	NE
Dye	NA	<0.1	NE	NE
Fragrance	NA	0.5 - 1.5	NE	NE

NA - Not Applicable    NE - Not Established

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Clear to Slightly Hazy, Light Green Liquid. Fresh Odor. May Cause Eye Irritation.

**POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)**PRIMARY ROUTE(S) OF EXPOSURE:  Eye     Skin Contact     Skin Absorption  
 Inhalation     Ingestion**SIGNS AND SYMPTOMS OF OVEREXPOSURE****EYES:**

May cause mild eye irritation. Symptoms may include redness and tearing.

**SKIN:**

May cause mild skin irritation. Symptoms may include redness. Organisms used in this product are non-pathogenic, but can cause infection when in contact with open wounds.

**INGESTION:**

May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

**INHALATION:**

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

**EFFECTS OF CHRONIC EXPOSURE:**

Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

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**MEDICAL CONDITIONS AGGRAVATED:**

May aggravate pre-existing eye, skin and respiratory conditions.

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**4. FIRST AID MEASURES****EYES:**

Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

**SKIN:**

Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or open wounds are present.

**INGESTION:**

Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:**

Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

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**5. FIRE FIGHTING MEASURES**

FLASH POINT AND METHOD: >200°F 93°C TCC

**FLAMMABLE LIMITS:**

Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

**EXTINGUISHING MEDIA:**

Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:**

Normal products of combustion (carbon monoxide and carbon dioxide).

**FIRE AND EXPLOSION HAZARDS:**

None known.

**FIRE FIGHTING INSTRUCTIONS:**

This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

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**6. ACCIDENTAL RELEASE MEASURES**

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

**KIL-ODER COUNTRY MORNING  
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**7. HANDLING AND STORAGE****HANDLING:**

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes and skin. Avoid breathing mist. Wash thoroughly after handling. Remove saturated clothing. Wash clothing and equipment before reuse.

**STORAGE:**

Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS:**

General room ventilation is expected to be adequate.

**PERSONAL PROTECTION****EYE:**

Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

**SKIN:**

Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

**RESPIRATORY:**

No respiratory protection is required if ventilation is adequate.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

ODOR: Fresh

APPEARANCE: Clear to Slightly Hazy, Light Green

pH: 8.3 to 9.3

PERCENT VOLATILE BY WEIGHT: 96

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: Not Determined

FREEZING/MELTING POINT: Not Determined

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: Not Determined

SPECIFIC GRAVITY: 1.005

VISCOSITY: Water Thin

OCTANOL/WATER PARTITION COEFFICIENT: Not Determined

ODOR THRESHOLD: Not Determined

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## 10. STABILITY AND REACTIVITY

### STABILITY (CONDITIONS TO AVOID):

Stable.

### POLYMERIZATION:

Will not occur.

### HAZARDOUS DECOMPOSITION:

None.

### INCOMPATIBLE MATERIALS:

Oxidizers (e.g., bleach). Strong acids and bases may inactivate cultures.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE DATA:

Based on testing of a similar product, this product may cause mild eye and skin irritation; it is not considered to be toxic by ingestion. The following data are available for product ingredients.

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Viable bacterial cultures	Not Available	Not Available	9.2 mg/L (4-hr)
Alkoxylated fatty alcohol	2300 mg/kg	Not Available	Not Available

### SENSITIZATION DATA:

No data available.

### CHRONIC DATA:

No data available.

### REPRODUCTIVE/TERATOGENIC DATA:

No data available.

### CARCINOGENIC/MUTAGENIC DATA:

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

### SYNERGISTIC MATERIALS:

No data available.

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## 12. ECOLOGICAL INFORMATION

No data available.

**KIL-ODER COUNTRY MORNING**  
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### 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

### 14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

### 15. REGULATORY INFORMATION

*Not meant to be all-inclusive—selected regulations represented.*

#### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard category: Immediate.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

USDA (US DEPARTMENT OF AGRICULTURE):

This product is authorized for use in federally inspected meat and poultry plants.

#### CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

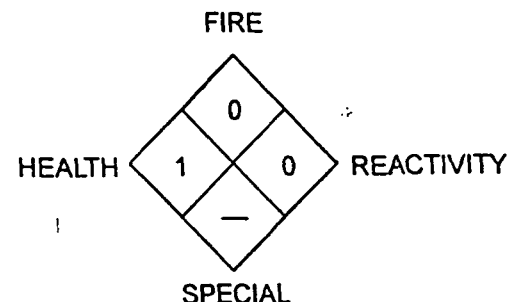
Class D-Division 2B, eye irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### 16. OTHER INFORMATION

#### HMIS RATING

HEALTH	-	1
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

#### NFPA RATING



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**MSDS STATUS**

Revision #: 1

This MSDS replaces the MSDS. Any changes in information are as follows:

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 05/20/1997

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*