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Pg 1

RAMSEY®

MATERIAL SAFETY DATA SHEET

TRI-GUARD Carpet Sanitizer, Deodorizer & Cleaner

Date Prepared: 03/21/1997
Date Revised: 05/20/1997

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: TRI-GUARD Carpet Sanitizer, Deodorizer & Cleaner

MANUFACTURER

The Ramsey Company
120 Bartlett Street
Marlborough, MA 01752-3065

Ramsey Telephone Number: 800-421-2768
Emergency Telephone (24 hours): 800-228-5635 Ext 118

EPA REG. NO.: 6836-108-50285

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS NO.	% BY WEIGHT	OSHA PEL/STEL	ACGIH TLV/STEL
Water	7732-18-5	60 - 100	NA	NA
Nonyl phenol ethoxylate	9016-45-9	1 - 5	NE	NE
Sodium metasilicate	6834-92-0	1 - 5	NE	NE
Sodium carbonate	497-19-8	1 - 5	NE	NE
n-Alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.1 - 1	NE	NE
Octyl decyl dimethyl ammonium chloride	68424-95-5	0.1 - 1	NE	NE
Didecyl dimethyl ammonium chloride	NA	0.1 - 1	NE	NE
Diocetyl dimethyl ammonium chloride	NA	0.1 - 1	NE	NE

NA - Not Applicable NE - Not Established

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Light Yellow Liquid. Mild Odor. Causes Eye and Skin Burns.

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:

Causes eye burns. Symptoms may include pain, tearing, redness, and eye injury.

SKIN:

Causes skin burns. Symptoms may include pain, redness, swelling, scarring, and skin damage.

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INGESTION:

May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea and severe stomach pain.

INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing and a burning sensation in the nose and throat.

EFFECTS OF CHRONIC EXPOSURE:

No data available.

MEDICAL CONDITIONS AGGRAVATED:

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

4. FIRST AID MEASURES

EYES:

Immediately 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 immediate medical attention.

SKIN:

Immediately flush with plenty of water for at least 15 minutes, then wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing before reuse. Destroy contaminated shoes.

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.

NOTES TO PHYSICIAN:

Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

5. FIRE FIGHTING MEASURES

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

FLAMMABLE LIMITS:

Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

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EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS:

Normal products of combustion (carbon monoxide and carbon dioxide), nitrogen oxides, phosphorous oxides and sodium oxides.

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.

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 and absorbent to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING:

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove contaminated 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).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

General room ventilation is expected to be adequate.

PERSONAL PROTECTION

EYE:

Where eye contact is possible, wear chemical splash goggles (ANSI Z87.1-approved).

SKIN:

Where skin contact is possible, chemical-resistant gloves should be worn. When additional skin contact is possible, other protective equipment and clothing (e.g., footwear) may be needed. All contaminated clothing should be removed immediately and cleaned (or discarded) before reuse.

RESPIRATORY:

No respiratory protection is required if ventilation is adequate.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Mild
APPEARANCE: Clear, Light Yellow
pH: 12 to 13
PERCENT VOLATILE BY WEIGHT: 83
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: 1.07
VISCOSITY: 25 to 70cps
OCTANOL/WATER PARTITION COEFFICIENT: Not Determined
ODOR THRESHOLD: Not Determined

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):
Stable.

POLYMERIZATION:
Will not occur.

HAZARDOUS DECOMPOSITION:
None.

INCOMPATIBLE MATERIALS:
Oxidizers (e.g., bleach).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:

This product causes eye and skin burns and/or severe irritation. Based on acute toxicity testing, this product is not considered to be toxic by ingestion or skin absorption. The following data are available for this product and its ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
TRI-GUARD Carpet Sanitizer, Deodorizer & Cleaner	9000 mg/kg	>8000 mg/kg	Not Available
Nonyl phenol ethoxylate	2000-5000 mg/kg	1000-3000 mg/kg	Not Available
Sodium metasilicate	600-1153 mg/kg	Not Available	Not Available
Sodium carbonate	4090 mg/kg	Not Available	2300 mg/m3 (2-hr)
n-Alkyl dimethyl benzyl ammonium chloride	447 mg/kg	Not Available	Not Available

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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.

12. ECOLOGICAL INFORMATION

No data available.

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 hazardous waste (Corrosive-D002) 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.

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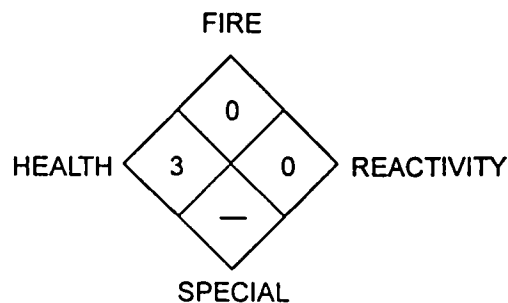
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16. OTHER INFORMATION

HMIS RATING

HEALTH	-	3
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

NFPA RATING



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.