

# RAMSEY®

## MATERIAL SAFETY DATA SHEET

RINSOFT Extraction Rinse

Date Prepared: 08/28/1996  
Date Revised: 05/20/1997

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: RINSOFT Extraction Rinse

#### 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

33320

### 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
Sulfamic acid	5329-14-6	3 - 7	NE	NE NE
Propanol, (2-methoxymethyle- thoxy)-	34590-94-8	3 - 7	100 ppm (600 mg/m3)/ 150 ppm (Skin)	100 ppm (606 mg/m3)/ 150 ppm (Skin)
Linear primary alcohol etho- xylate	34398-01-1	0.5 - 1.5	NE	NE
Fragrance	NA	0.1 - 1	NE	NE

NA - Not Applicable    NE - Not Established

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Clear, Blue Liquid. Fresh Odor. Causes Eye Irritation. May Cause Skin 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:

Causes eye irritation. Symptoms may include redness and pain.

##### SKIN:

May cause skin irritation. Symptoms may include redness, rash and mild swelling.

##### INGESTION:

May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

##### INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

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**EFFECTS OF CHRONIC EXPOSURE:**

Prolonged or repeated contact may cause skin irritation.

**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 thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

**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), nitrogen oxides and sulfur 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.

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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. Ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop and absorbent to collect material for proper disposal. Use non-metallic implements for cleaning and collection. Rinse area with water.

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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. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits (See Section 2, Composition/Information on Ingredients).

### 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, Blue

pH: 1.25

PERCENT VOLATILE BY WEIGHT: 94

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: Not Determined

FREEZING/MELTING POINT: Not Determined

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SOLUBILITY IN WATER: Complete  
 EVAPORATION RATE: Not Determined  
 SPECIFIC GRAVITY: 1.04  
 VISCOSITY: Water Thin  
 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, chlorine (e.g., bleach), strong bases (e.g., sodium hydroxide), reactive metals (e.g., aluminum), and sulfides.

**11. TOXICOLOGICAL INFORMATION****ACUTE DATA:**

This product is non-corrosive to skin. Based on acute toxicity testing of a similar product, it causes eye irritation and may cause skin irritation. 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>
Sulfamic acid	3160 mg/kg	Not Available	Not Available
Propanol, (2-methoxymethylethoxy)-	5135 mg/kg	9500 mg/kg	Not Available
Linear primary alcohol ethoxylate	1000-4000 mg/kg	>2000 mg/kg	Not Available

**SENSITIZATION DATA:**  
 No data available.

**CHRONIC DATA:**

Prolonged overexposure to propanol, 2-methoxymethylethoxy- by inhalation has caused minor liver effects in laboratory animals; overexposure by dermal absorption has also caused minor kidney effects in laboratory animals.

**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.

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**SYNERGISTIC MATERIALS:**

No data available.

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**12. ECOLOGICAL INFORMATION**

This product is made with all biodegradable detergents. No other data available.

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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 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.

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**14. TRANSPORT INFORMATION**

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

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**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 categories:  
Immediate, Delayed.

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.

**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):**

Class D-Division 2B, eye and skin 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.

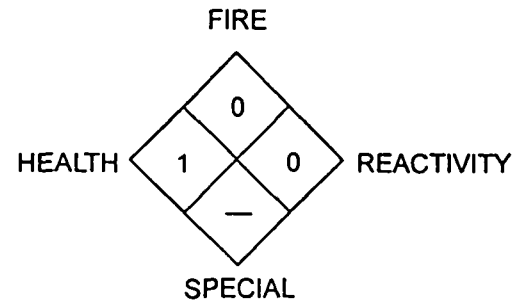
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## HMIS RATING

HEALTH	-	1
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

## NFPA RATING



## MSDS STATUS

Revision #: 5

This MSDS replaces the March 06, 1997 MSDS. Any changes in information are as follows:

In Section 4

Firstaid - Skin (text)

In Section 5

Flammable Limit (text)

APPROVED BY: EH&amp;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.*