

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GHS Product name** RMR Bilge Cleaner

**Other means of identification**

**Recommended use of the chemical and restrictions on use**

**Recommended use** Heavy Duty Degreaser

**Details of the supplier of the safety data sheet**

**Company information** Manufacturer Address  
RMR Solutions  
2202 Grand Commerce Dr.  
Howell, MI 48855  
Ph: 866-822-8744  
Fax: 810-227-5595  
Website: rmr solutions.com

**Emergency phone number** Chemtel 800-255-3924

## 2. HAZARDS IDENTIFICATION

**Physical state** Liquid

**GHS Classification**

**GHS Classification Scale: (1=Severe Hazard, 4= Slight Hazard)**

**Physical Hazards** Not listed

**Health Hazards**

Eye irritation	Category 2
Skin irritation	Category 2

**Signal Word**

**Warning**

**Hazard statements**

Causes serious eye irritation  
Causes skin irritation



**Precautionary Statements - Prevention**

Keep out of reach of children.  
Wash hands, face and all exposed skin areas after handling.  
Wear protective gloves/eye protection/face protection/  
protective clothing.

**Precautionary Statements - Response**

**IF IN EYES:** Rinse cautiously with water for several minutes.  
Remove contact lenses if easy to do. Continue rinsing. If  
eye irritation persists, get medical advice/attention.

**IF ON SKIN:** Wash with plenty of water. If skin irritation  
occurs: Get medical advice/attention. Take off  
contaminated clothing and wash it before reuse.

**Precautionary Statements - Storage**

No special precautions listed in GHS.

**Precautionary Statements - Disposal**

No special directive in GHS.

**Other hazards**

Repeated or prolonged exposure can cause skin dryness or cracking.

**3. PHYSICAL/CHEMICAL CHARACTERISTICS**

Chemical name	CAS #	PERCENTAGE
Ethoxylated alcohol	68439-50-9	0-5
Water	7732-18-5	<90
Proprietary Surfactant	Proprietary	0-4
Proprietary Booster	Proprietary	<3
Proprietary Surfactant	Proprietary	Proprietary

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT NAMES & PERCENTAGES OF SOME INGREDIENTS MAY HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET; HOWEVER ALL APPLICABLE FIRST AID/HEALTH INFORMATION HAS BEEN REPORTED ACCURATELY.

**4. FIRST AID MEASURES****Description of first aid measures**

<b>Ingestion</b>	If swallowed, drink copious amounts of water to dilute. Do not induce vomiting unless told to do so by doctor or physician. Seek medical advice/attention immediately. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.
<b>Skin Contact</b>	Remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs get medical advice.
<b>Inhalation</b>	Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician if you feel unwell.
<b>Eye Contact</b>	Rinse cautiously with water for 15 minutes. Remove contact lenses if easy to do. Continue rinsing. If irritation persists get medical attention/advice.

**Most important symptoms and effects, both acute and delayed**

<b>Ingestion</b>	Symptoms may include diarrhea, gastric pain, and vomiting.
<b>Skin Contact</b>	Symptoms may include redness, dryness and cracking of skin.
<b>Inhalation</b>	Symptoms may include irritation of respiratory tract
<b>Eye Contact</b>	Symptoms may include stinging, tearing, redness and blurred vision.

**Indication of any immediate medical attention and special treatment needed, if necessary.****Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Use methods suitable for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	Not flammable.
<b><u>Specific Hazards Arising from the Chemical</u></b>	No further relevant information available.
<b>Hazardous thermal decomposition products</b>	Carbon monoxide and CO <sub>2</sub>
<b>Special protective actions for fire-fighters</b>	Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.
<b>Environmental precautions</b>	Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

### **Methods and materials for containment and cleaning up.**

<b>Small spill</b>	Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on Safe Handling**

Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use.

#### **Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where chemical products are handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

### Conditions for safe storage including any incompatibilities

Store in a dry, well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use. Do not store in unlabeled containers. Keep away from children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

### Occupational Exposure Limits

### Ingredient Identity ACGIH TLV OSHA PEL NIOSH IDLH

Sodium Carbonate 10mg/m<sup>3</sup> total dust

### Appropriate Engineering Controls

#### **Engineering Controls**

Use with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and maintain air concentrations below occupational exposure standards.

### Individual protection measures, such as personal protective equipment. (PPE)

#### **Eye/Face Protection**

Wear approved tightly sealed safety goggles

#### **Skin & Body Protection**

Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection**

If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Lt. red liquid
<b>Odor</b>	Fresh
<b>Odor Threshold</b>	Not available
<b>pH</b>	10-10.5
<b>Melting point / freezing point</b>	Not determined
<b>Initial boiling point and boiling range</b>	>212F
<b>Flash point</b>	Not determined
<b>Evaporation Rate</b>	Not determined (butyl acetate=1)
<b>Upper explosive limits</b>	Not applicable
<b>Lower explosive limits</b>	Not applicable
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	Not determined (air=1)
<b>Relative Density</b>	1.02
<b>Water Solubility</b>	Soluble
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Water thin

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable in normal ambient temperature and pressure
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Not under normal conditions of storage and use.
<b>Conditions to Avoid</b>	Extreme temperatures
<b>Incompatible materials</b>	Oxidizing materials
<b>Hazardous decomposition products</b>	Carbon monoxide and Carbon Dioxide

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Not classified
<b>Skin corrosion irritation</b>	Classified, Category 2, causes skin irritation
<b>Serious Eye damage</b>	Classified, Category 2, causes serious eye irritation
<b>Sensitization</b>	Not classified
<b>Mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive Toxicity</b>	Not Classified
<b>Teratogenicity</b>	Not Available
<b>Specific target Organ Toxicity (single exposure)</b>	Not classified
<b>Specific target Organ Toxicity (repeated exposure)</b>	Not Classified
<b>Aspiration Hazard</b>	Not classified

### Information on the likely routes of exposure:

<b>Ingestion</b>	Do not induce vomiting unless told to do so by a doctor or physician. See section IV.
<b>Inhalation</b>	Prolonged exposure may cause irritation to respiratory tract
<b>Skin</b>	Causes skin irritation
<b>Eye</b>	Causes serious eye irritation

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion</b>	See section iv, most important symptoms and effects, acute and delayed.
<b>Inhalation</b>	See section iv, most important symptoms and effects, acute and delayed.
<b>Skin</b>	See section iv, most important symptoms and effects, acute and delayed.
<b>Eye</b>	See section iv, most important symptoms and effects, acute and delayed.

### Delayed and immediate effects and also chronic effects from short and long term exposure.

<b>General</b>	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis
<b>Carcinogenicity</b>	No known significant effects or critical hazards. Not classifiable.
<b><u>Numerical measures of Toxicity</u></b>	Not Available

**12. ECOLOGICAL INFORMATION**

<b><u>Toxicity</u></b>	Ingredient name Result Species Exposure No further information
<b><u>Persistence and degradability</u></b>	No further information
<b><u>Bioaccumulation Potential</u></b>	No further information
<b><u>Mobility in Soil</u></b>	No further information
<b><u>Other adverse Effects</u></b>	No further information.

**13. DISPOSAL INFORMATION**

Dispose in accordance with applicable federal, state and local regulations.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

**15. REGULATORY INFORMATION**

<b><u>US Federal Regulations</u></b>	All ingredients are listed or exempted with TSCA.
<b><u>SARA 302/304</u></b>	No products were found.
<b><u>SARA 311/312</u></b>	Acute/chronic

Chemical name	%	Fire Hazard	Pressure Release	Reactive	Immediate Acute	Delayed Chronic
Ethoxylated alcohol	0-5				Yes	Yes

<b><u>SARA 313</u></b>	None known above trace
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**STATE REGULATIONS**

Chemical name	New York	New Jersey	Massachusetts	Pennsylvania

<b><u>California Prop 65</u></b>	None known to meet requirements
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**16. OTHER INFORMATION**

**HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)**

**4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT**

**NOTICE TO READER:**

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