

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** RMR-86 Pro

**Other means of identification**

**SDS #** RMR-012

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

**Recommended use** For industrial use.

**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

**Classification**

Per 29 CFR 1910.1200, this product has received further evaluation from the manufacturer. The test results provided are reflected in the classification below.

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

**Label Elements**



**Signal Word**

**Danger**

**Hazard statements**

Causes skin irritation  
Causes serious eye damage

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/ face protection

**Precautionary Statements - Response**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

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

**Other hazards**

Very toxic to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical name                | CAS #       | WEIGHT % |
|------------------------------|-------------|----------|
| Sodium hypochlorite          | 7681-52-9   | 5-10     |
| Proprietary surfactant       | Proprietary | 1-3      |
| Proprietary alkaline booster | Proprietary | <1       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

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

|                       |                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.                                                                                                                       |
| <b>Eye contact</b>    | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| <b>Skin contact</b>   | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.                      |
| <b>Inhalation</b>     | Remove to fresh air.                                                                                                                                                       |
| <b>Ingestion</b>      | Clean mouth with water and drink afterwards plenty of water.                                                                                                               |

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

**Symptoms** Causes skin irritation. Causes serious eye damage.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

|                                                              |                                                                                                                                        |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Unsuitable Extinguishing Media</b>                        | Not determined.                                                                                                                        |
| <b>Specific Hazards Arising from the Chemical</b>            | Not determined.                                                                                                                        |
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions****Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical name                | ACGIH TLV                    | OSHA PEL                 | NIOSH IDLH                                                 |
|------------------------------|------------------------------|--------------------------|------------------------------------------------------------|
| Proprietary alkaline booster | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> |

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** No information available

**Appearance** Not determined

**Odor** Not determined

**Color** Not determined

**Odor Threshold** Not determined

| <b><u>Property</u></b>                         | <b><u>Values</u></b> | <b><u>Remarks/Method</u></b> |
|------------------------------------------------|----------------------|------------------------------|
| <b>pH</b>                                      | 11.01 (10% solution) |                              |
| <b>Melting point / freezing point</b>          | No data available    |                              |
| <b>Initial boiling point and boiling range</b> | No data available    |                              |
| <b>Flash point</b>                             | No data available    |                              |
| <b>Evaporation Rate</b>                        | Not determined       |                              |
| <b>Flammability (Solid, Gas)</b>               | Not determined       |                              |
| <b>Flammability Limit in Air</b>               |                      |                              |
| <b>Upper flammability or explosive limits</b>  | No data available    |                              |
| <b>Lower flammability or explosive limits</b>  | No data available    |                              |
| <b>Vapor Pressure</b>                          | Not determined       |                              |
| <b>Vapor Density</b>                           | No data available    |                              |
| <b>Relative Density</b>                        | Not determined       |                              |
| <b>Water Solubility</b>                        | Soluble in water     |                              |
| <b>Solubility in other solvents</b>            | Not determined       |                              |
| <b>Partition Coefficient</b>                   | Not determined       |                              |
| <b>Autoignition temperature</b>                | Not determined       |                              |
| <b>Hyphen</b>                                  | Not determined       |                              |
| <b>Kinematic Viscosity</b>                     | Not determined       |                              |
| <b>Dynamic Viscosity</b>                       | Not determined       |                              |
| <b>Explosive Properties</b>                    | Not determined       |                              |
| <b>Oxidizing Properties</b>                    | Not determined       |                              |

## 10. STABILITY AND REACTIVITY

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | Not reactive under normal conditions.                                                |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.                                         |
| <b>Possibility of hazardous reactions</b> | None under normal processing.                                                        |
| <b>Hazardous Polymerization</b>           | Under normal conditions of storage and use, hazardous polymerization will not occur. |
| <b>Conditions to Avoid</b>                | Keep out of reach of children.                                                       |
| <b>Incompatible materials</b>             | None known based on information supplied.                                            |
| <b>Hazardous decomposition products</b>   | None known based on information supplied.                                            |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Avoid contact with eyes.

|                     |                          |
|---------------------|--------------------------|
| <b>Skin Contact</b> | Avoid contact with skin. |
| <b>Inhalation</b>   | Do not inhale.           |
| <b>Ingestion</b>    | Do not ingest.           |

**Component Information**

| Chemical name                    | Oral LD50            | Dermal LD50              | Inhalation LC50                      |
|----------------------------------|----------------------|--------------------------|--------------------------------------|
| Sodium hypochlorite<br>7681-52-9 | = 8.91 g/kg ( Rat )  | > 20000 mg/kg ( Rabbit ) | > 10.5 mg/L ( Rat ) 1 h              |
| Proprietary surfactant           | = 4090 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit )  | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |
| Proprietary stabilizer           | = 1960 mg/kg ( Rat ) | -                        | -                                    |
| Proprietary alkalinity booster   | > 325 mg/kg ( Rat )  | = 1350 mg/kg ( Rabbit )  | -                                    |

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

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Group 3 IARC components are “not classifiable as human carcinogens”.

| Chemical name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 |       | Group 3 |     |      |

**Legend****IARC (International Agency for Research on Cancer)**

Group 3 IARC components are “not classifiable as human carcinogens”

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (inhalation-dust/mist)** 33.90 mg/l.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical name                    | Algae/aquatic plants | Fish                                                                                                                                                                                                                                                                                                                                                               | Crustacea                                    |
|----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Sodium hypochlorite<br>7681-52-9 |                      | LC50: 0.06 - 0.11mg/L (96h, Pimephales promelas)<br>LC50: 4.5 - 7.6mg/L (96h, Pimephales promelas)<br>LC50: 0.4 - 0.8mg/L (96h, Lepomis macrochirus)<br>LC50: 0.28 - 1mg/L (96h, Lepomis macrochirus)<br>LC50: 0.05 - 0.771mg/L (96h, Oncorhynchus mykiss)<br>LC50: 0.03 - 0.19mg/L (96h, Oncorhynchus mykiss)<br>LC50: 0.18 - 0.22mg/L (96h, Oncorhynchus mykiss) | EC50: 0.033 - 0.044mg/L (48h, Daphnia magna) |
| Proprietary<br>Surfactant        |                      | LC50: =300mg/L (96h, Lepomis macrochirus)<br>LC50: 310 - 1220mg/L (96h, Pimephales promelas)                                                                                                                                                                                                                                                                       | EC50: =265mg/L (48h, Daphnia magna)          |
| Proprietary Alkaline<br>Booster  |                      | LC50: =45.4mg/L (96h, Oncorhynchus mykiss)                                                                                                                                                                                                                                                                                                                         |                                              |
| Proprietary Surfactant           |                      | LC50: =134mg/L (96h, Daniorerio)                                                                                                                                                                                                                                                                                                                                   |                                              |

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| <b><u>Persistence/Degradability</u></b> | Not determined.                    |
| <b><u>Bioaccumulation</u></b>           | There is no data for this product. |
| <b><u>Mobility</u></b>                  | Not determined                     |
| <b><u>Other Adverse Effects</u></b>     | Not determined                     |

### 13. DISPOSAL INFORMATION

#### Waste treatment methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### California Hazardous Waste Status

| Chemical name          | California Hazardous Waste Status |
|------------------------|-----------------------------------|
| Proprietary Surfactant | Corrosive                         |
| Proprietary Stabilizer | Toxic/Corrosive                   |

### 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Please contact manufacturer for most current information.

**IATA** Please contact manufacturer for most current information.

**IMDG** Please contact manufacturer for most current information.

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical name                | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC |
|------------------------------|------|-----------------------|----------|---------------|------|-------|------|-------|------|
| Sodium hypochlorite          | X    | ACTIVE                | X        | X             | X    | X     | X    | X     | X    |
| Proprietary Surfactant       | X    | ACTIVE                | X        | X             | X    | X     | X    | X     | X    |
| Proprietary Stabilizer       | X    | ACTIVE                | X        | X             | X    | X     | X    | X     | X    |
| Proprietary alkaline booster | X    | ACTIVE                | X        | X             | X    | X     | X    | X     | X    |
| Proprietary Surfactant       | X    | ACTIVE                | X        | X             | X    | X     | X    | X     | X    |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## **US Federal Regulations**

### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| <b>Chemical name</b>             | <b>Hazardous Substances RQs</b> | <b>CERCLA/SARA RQ</b> | <b>Reportable Quantity (RQ)</b>           |
|----------------------------------|---------------------------------|-----------------------|-------------------------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                          |                       | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Proprietary alkaline<br>booster  | 1000 lb                         |                       | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| <b>Chemical name</b>            | <b>CWA - Reportable Quantities</b> | <b>CWA - Toxic Pollutants</b> | <b>CWA - Priority Pollutants</b> | <b>CWA - Hazardous Substances</b> |
|---------------------------------|------------------------------------|-------------------------------|----------------------------------|-----------------------------------|
| Sodium hypochlorite             | 100 lb                             |                               |                                  | X                                 |
| Proprietary Alkaline<br>Booster | 1000 lb                            |                               |                                  | X                                 |

## **U.S. State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

### **U.S. State Right-to-Know Regulations**

| <b>Chemical name</b>              | <b>New Jersey</b> | <b>Massachusetts</b> | <b>Pennsylvania</b> |
|-----------------------------------|-------------------|----------------------|---------------------|
| Sodium hypochlorite<br>7681-52-9  | X                 | X                    | X                   |
| Proprietary alkalinity<br>booster | X                 | X                    | X                   |

## **16. OTHER INFORMATION**

### **NFPA**

**Health hazard** -

**Flammability** -

**Physical hazards** -

### **HMIS**

**Health Hazard** -

**Instability** -

**Special Hazard** -

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|                            |                |
|----------------------------|----------------|
| <b>Flammability</b>        | -              |
| <b>Personal protection</b> | Not determined |

**Issue Date** 16-Dec-2022

**Revision Date** 16-Dec-2022

**Revision Note** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**