

**1. PRODUCT AND COMPANY IDENTIFICATION**

GHS Product name Heavy Duty Degreaser RTU

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use Grease/Grime/Soil Removal

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

GHS Classification

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

Not Classified as hazardous

LABEL ELEMENTS

Signal Word Not classified

Hazard statements Not classified as hazardous in GHS

Hazard symbols No symbols in GHS

Precautionary Statements - Prevention No special directive listed in GHS

Precautionary Statements - Response No special directive listed in GHS

Precautionary Statements - Storage No special directive listed in GHS

Precautionary Statements - Disposal No special directive in GHS

Other hazards Repeated or prolonged exposure can cause skin dryness.

3. PHYSICAL / CHEMICAL CHARACTERISTICS

There are no reportable ingredients according to OSHA 29 CFR 1910 and GHS guidelines

4. FIRST AID MEASURES

Description of first aid measures

Ingestion	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. 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.
Skin Contact	Wash area with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs get medical advice.
Inhalation	No inhalation hazards expected; however if inhalation hazards are experienced, 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.
Eye Contact	Rinse cautiously with water for several 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

Ingestion	Symptoms may include diarrhea, gastric pain, and vomiting.
Skin Contact	Not expected; however, symptoms may include redness and skin irritation.
Inhalation	Not expected; however, symptoms may include irritation of respiratory tract.
Eye Contact	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

<u>Suitable extinguishing media</u>	Use methods suitable for surrounding fire
Unsuitable Extinguishing Media	Not flammable.
<u>Specific Hazards Arising from the Chemical</u>	No further relevant information available.
Hazardous thermal decomposition products	Carbon monoxide and CO ₂
Special protective actions for fire-fighters	Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	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

For non-emergency personnel	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.
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Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

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.

Environmental precautions

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.**Small spill**

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.

Large spill

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

No items reported above de minimis

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 when using chemical products

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

Appearance	Green liquid
Odor	Minty sweet
Odor Threshold	Not available
pH	10-10.5
Melting point / freezing point	Not determined
Initial boiling point and boiling range	approx. 212F
Flash point	Not applicable
Evaporation Rate	Not determined (butyl acetate=1)
Upper explosive limits	Not applicable
Lower explosive limits	Not applicable
Vapor Pressure	Not determined

Vapor Density	Not determined (air=1)
Relative Density	1.01
Water Solubility	Soluble
Partition Coefficient	Not applicable
Autoignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	Water thin consistency

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified
Skin corrosion irritation	Not classified
Serious Eye damage	Not classified
Sensitization	Not classified
Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not Classified
Teratogenicity	Not available
Specific target Organ Toxicity (single exposure)	Not classified
Specific target Organ Toxicity (repeated exposure)	Not Classified
Aspiration Hazard	Not classified
Information on the likely routes of exposure	
Ingestion	Do not induce vomiting unless told to do so by a doctor or physician. See section IV
Inhalation	Not expected; however prolonged exposure may cause irritation to respiratory tract
Skin	Not expected; however, mild irritation may be experienced with prolonged use
Eye	May cause eye irritation

Symptoms related to the physical, chemical and toxicological characteristics

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

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

12. ECOLOGICAL INFORMATION**Toxicity**

Ingredient name Result Species Exposure
No further information

Persistence and degradability No further information

Bioaccumulation Potential No data

Mobility in Soil No data

Other adverse Effects No further information.

13. DISPOSAL INFORMATION

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

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

US Federal Regulations All ingredients are listed or exempted with TSCA.

SARA 302/304 No products were found.

SARA 311/312 No products were found above de minimis

SARA 313 None known above trace

STATE REGULATIONS

Chemical name	New York	New Jersey	Massachusetts	Pennsylvania

California Prop 65

None known to meet requirements

16. OTHER INFORMATION**HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)****4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT****NOTICE TO READER:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. /furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.