

## **I PRODUCT AND COMPANY IDENTIFICATION**

### **GHS PRODUCT IDENTIFIER:**

TRADE NAME; HEAVY DUTY DEGREASER RTU

### **OTHER MEANS OF IDENTIFICATION:**

### **RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: GREASE/GRIME/SOIL REMOVAL

### **SUPPLIER'S DETAILS:**

MANUFACTURED BY



RMR Solutions, LLC  
301 Appian Way  
Brighton, Michigan 48116  
(866) 822-8744  
[www.rmrsolutions.com](http://www.rmrsolutions.com)

**24 Hour Emergency telephone number :**  
**Chemtel 800-255-3924**

## **II HAZARD 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:**

No special directive listed in GHS

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**PRECAUTIONARY STATEMENTS (RESPONSE):**

No special directive listed in GHS

**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.

**III PHYSICAL / CHEMICAL CHARACTERISTICS**

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

**IV 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, 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 immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically

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## V FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Use methods suitable for surrounding fire

**Unsuitable extinguishing media-** Not flammable.

**Specific hazards arising from the chemical:** No further relevant information available.

**Hazardous thermal decomposition products:** carbon monoxide and CO<sub>2</sub>

**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.

## VI 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. 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.

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## VII HANDLING AND STORAGE

### Precautions for Safe Handling:

**Safe Handling Advice:** 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.

## VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

### Occupational Exposure Limits

**Ingredient Identity ACGIH TLV OSHA PEL NIOSH IDLH** 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.

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## **IX 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/Range: approx. 212F

Flash Pt: Not Applicable

Evaporation Rate: Not Determined (butyl acetate=1)

Lower explosive limits: Not Applicable

Upper explosive limits: Not Applicable

Vapor Pressure: Not Determined

Vapor Density: Not Determined (air=1)

Relative Density: 1.01

Solubility in water: Soluble

Partition coefficient: not applicable

Auto ignition temp: not applicable

Decomposition Temp: not available

Viscosity: water thin consistency

## **X 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

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## **XI 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 Classified**

**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

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**XII 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.

**XIII DISPOSAL CONSIDERATIONS**

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

**XIV TRANSPORT INFORMATION**

**DOT:** NOT REGULATED

**IATA:** NOT REGULATED

**IMDG:** NOT REGULATED

**XV REGULATORY INFORMATION**

U.S. 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:

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania

California Prop 65: none known to meet requirements.

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**XVI OTHER INFORMATION**

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

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

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