Section 1: Product & Company Identification

Product Name: Green Force® Multi-Purpose Cleaner
Product Number (s): 14450, 14451, 14452, 74450
Product Use: Hard surface cleaner concentrate

Manufacturer / Supplier Contact Information:
In United States: CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com
1-215-674-4300 (General)
(800) 521-3168 (Technical)
(800) 272-4620 (Customer Service)
In Canada: CRC Canada Co.
2-1246 Lorimar Drive
Mississauga, Ontario L5S 1R2
www.crc-canada.ca
1-905-670-2291 (Technical)
24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887
In Mexico: CRC Industries Mexico
Av. Benito Juárez 4055 G
Colonia Orquidea
San Luis Potosí, SLP CP 78394
www.crc-mexico.com
52-444-824-1666

Section 2: Hazards Identification

Emergency Overview

CAUTION: May Cause Eye Irritation.
Appearance & Odor: Clear green liquid with a bland odor

Potential Health Effects:

ACUTE EFFECTS:
EYE: May cause mild irritation to the eyes.
SKIN: No acute effects expected. However, repeated contact with the skin may be irritating.

INHALATION: Not considered a hazard.

INGESTION: Ingestion of this product may be harmful.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.
Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>7732-18-5</td>
<td>70 - 90</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Give large amounts of water. Do NOT induce vomiting. Get medical attention.

Note to Physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is not flammable.

Flash Point: None (will not burn)

Autoignition Temperature: ND

Upper Explosive Limit: ND

Lower Explosive Limit: ND

Fire and Explosion Data:

Suitable Extinguishing Media: Use extinguishing media appropriate for the surrounding fire.

Products of Combustion: None known

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters.

Methods for Containment & Clean-up: Flood area with water. Mop up water and spilled material. Ventilate the area with fresh air. Dispose to sanitary sewer.

Section 7: Handling and Storage

Handling Procedures: Avoid contact with skin and eyes. Properly clean any spilled residue with a wet cloth. For
Storage Procedures: Store in a cool dry area out of direct sunlight. Containers should be tightly closed and in an upright position while in storage.

Aerosol Storage Level: NA

Section 8: Exposure Controls/ Personal Protection

Exposure Guidelines:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Deionized Water</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Non-hazardous blend</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. Air monitoring is needed to determine actual employee exposure levels.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: For extended contact, use protective gloves such as nitrile or rubber. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid
Color: clear green
Odor: bland
Odor Threshold: ND
Specific Gravity: 1.02
Initial Boiling Point: 212°F / 100°C
Freezing Point: ND
Vapor Pressure: ND
Vapor Density: > 1 (air = 1)
Evaporation Rate: slow
Solubility: complete in water
Coefficient of water/oil distribution: ND
pH: 10 - 11
Volatile Organic Compounds: (at dilution) wt %: 0.1 g/L: 1.02 lbs/gal: 0.008

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: None known
Product Name: Green Force® Multi-Purpose Cleaner
Product Number(s): 14450, 14451, 14452, 74450

Incompatible Materials: None known
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**Acute Toxicity:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Oral LD50 (rat)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Inhalation LC50 (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized water</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Non-hazardous blend</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

**Chronic Toxicity:**

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA Carcinogen</th>
<th>IARC Carcinogen</th>
<th>NTP Carcinogen</th>
<th>Irritant</th>
<th>Sensitizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized water</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No eye</td>
<td>No</td>
</tr>
<tr>
<td>Non-hazardous blend</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Unknown</td>
<td>No</td>
</tr>
</tbody>
</table>

Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available
Persistence / Degradability: This product is biodegradable.
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

Section 13: Disposal Considerations

**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33) Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

Section 14: Transport Information

US DOT (ground): Not Regulated
ICAO/IATA (air): Not Regulated
**Product Name:** Green Force® Multi-Purpose Cleaner  
**Product Number (s):** 14450, 14451, 14452, 74450

IMO/IMDG (water): Not Regulated

Special Provisions: None

### Section 15: Regulatory Information

**U.S. Federal Regulations:**

Toxic Substances Control Act (TSCA):
All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):
Reportable Quantities (RQ’s) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:
- Section 302 Extremely Hazardous Substances (EHS): None
- Section 311/312 Hazard Categories:
  - Fire Hazard: No
  - Reactive Hazard: No
  - Release of Pressure: No
  - Acute Health Hazard: No
  - Chronic Health Hazard: No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:
- Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:
This product is not considered hazardous under the Hazard Communication Standard.

**U.S. State Regulations:**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

Consumer Products VOC Regulations: In states with Consumer Products VOC regulations, this product is compliant as a general purpose cleaner.

State Right to Know:
- New Jersey: None
- Pennsylvania: None
- Massachusetts: None
- Rhode Island: None

**Canadian Regulations:**

Controlled Products Regulations:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: D2B
**Product Name:** Green Force® Multi-Purpose Cleaner  
**Product Number (s):** 14450, 14451, 14452, 74450

**Canadian DSL Inventory:** All ingredients are either listed on the DSL Inventory or are exempt.

**European Union Regulations:**

**RoHS Compliance:** This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

**Additional Regulatory Information:** None

### Section 16: Other Information

<table>
<thead>
<tr>
<th>HMIS® (II)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>0</td>
</tr>
<tr>
<td>Flammability:</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>0</td>
</tr>
<tr>
<td>PPE:</td>
<td>A</td>
</tr>
</tbody>
</table>

Ratings range from 0 (no hazard) to 4 (severe hazard)

**Prepared By:** Michelle Rudnick  
**CRC #:** 14450  
**Revision Date:** 12/26/2012  

**Changes since last revision:** Section 9: volatile organic compounds

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

| ACGIH: | American Conference of Governmental Industrial Hygienists |
| CAS: | Chemical Abstract Service |
| CFR: | Code of Federal Regulations |
| DOT: | Department of Transportation |
| DSL: | Domestic Substance List |
| g/L: | grams per Liter |
| HMIS: | Hazardous Materials Identification System |
| IARC: | International Agency for Research on Cancer |
| IATA: | International Air Transport Association |
| ICAO: | International Civil Aviation Organization |
| IMDG: | International Maritime Dangerous Goods |
| IMO: | International Maritime Organization |
| lbs./gal: | pounds per gallon |
| LC: | Lethal Concentration |
| LD: | Lethal Dose |
| NA: | Not Applicable |
| ND: | Not Determined |
| NIOSH: | National Institute of Occupational Safety & Health |
| NFPA: | National Fire Protection Association |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PMCC: | Pensky-Martens Closed Cup |
| PPE: | Personal Protection Equipment |
| ppm: | Parts per Million |
| RoHS: | Restriction of Hazardous Substances |
| STEL: | Short Term Exposure Limit |
| TCC: | Tag Closed Cup |
| TWA: | Time Weighted Average |
| WHMIS: | Workplace Hazardous Materials Information System |