Section 1: Product & Company Identification

Product Name: Smartwasher® Multi-Layer Filter
Product Number (s): 74013
Product Use: Filter for Smartwasher® parts cleaners

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

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

Emergency Overview
Appearance & Odor: Solid filter with granular powder; buff to brown color in the middle; no odor

Potential Health Effects:

ACUTE EFFECTS:
   EYE: No hazardous effects expected.
   SKIN: No hazardous effects expected.
   INHALATION: No hazardous effects expected.
   INGESTION: No hazardous effects expected.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: None known

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>Non-hazardous hydrocarbon degrader mixed with bacterial cultures in a vegetable base</td>
<td>NA</td>
<td>100</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Eye Contact: If adverse effects occur, rinse eyes with large amounts of water until irritation subsides. Get medical attention if necessary.

Skin Contact: wash affected area with soap and water. Call a physician if irritation persists.

Inhalation: If adverse effects occur, remove to fresh air and observe. Get medical attention if necessary.

Ingestion: Do not ingest.

Note to Physicians: Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: This product is not flammable.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>None</td>
<td>Upper Explosive Limit: NA</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>ND</td>
<td>Lower Explosive Limit: NA</td>
</tr>
</tbody>
</table>

Fire and Explosion Data:

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Products of Combustion: None known.

Explosion Hazards: None known.

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: Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and Storage

Handling Procedures: Handle in accordance with good industrial hygiene and safety practice. For product use instructions, please see the product label.
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>Filter</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

N.E. – Not Established   (c) – ceiling   (s) – skin   (v) – vacated

Controls and Protection:

Engineering Controls: None under normal conditions of use.
Respiratory Protection: No protective equipment is needed under normal use conditions.
Eye/face Protection: For normal conditions, wear safety glasses.
Skin Protection: Use chemical resistant, impervious gloves for routine industrial use.

Section 9: Physical and Chemical Properties

Physical State: Solid
Color: Buff to brown
Odor: None
Odor Threshold: ND
Specific Gravity: 0.5 – 0.7
Initial Boiling Point: ND
Freezing Point: ND
Vapor Pressure: ND
Vapor Density: ND (air = 1)
Evaporation Rate: ND
Solubility: Forms slurry with water
Coefficient of water/oil distribution: ND
pH: ND
Volatile Organic Compounds: wt %: 0, g/L: 0, lbs/gal: 0

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: Avoid moisture. Do not wet until ready to use.
Incompatible Materials: Water should be avoided until mat is installed.
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>Filter</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>Filter</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

**Reproductive Toxicity:** No data

**Teratogenicity:** No data

**Mutagenicity:** No data

**Synergistic Effects:** No data

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 data available

**Persistence / Degradability:** Biodegradable

**Bioaccumulation / Accumulation:** Not determined

**Mobility in Environment:** Not determined

Section 13: Disposal Considerations

**Waste Classification:** This product is not a hazardous waste as supplied.

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

**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

Canadian Regulations:

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

WHMIS Hazard Class: None

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

European Union Regulations:


Additional Regulatory Information: None
Section 16: Other Information

| Health: | 1 |
| Flammability: | 0 |
| Reactivity: | 0 |
| PPE: | A |

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

Prepared By: Michelle Rudnick
CRC #: 14124
Revision Date: 8/18/2014

Changes since last revision: New

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