



## Harvey Wax Bowl Ring

### William H. Harvey Company

Version No: 1.2

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: **01/27/2022**

Print Date: **01/27/2022**

S.GHS.USA.EN

#### SECTION 1 Identification

##### Product Identifier

|                                      |  |
|--------------------------------------|--|
| <b>Product name</b>                  | Harvey Wax Bowl Ring   |
| <b>Synonyms</b>                      | Not Available  |
| <b>Other means of identification</b> | 001003, 001005-24, 001010, 001011, 001019, 001022, 001025, 001025-N, 001026-N, 001029-N, 001031, 001036, 001045, 001045-N, 001053, 001062, 001077, 001090, 001095N, 001101, 001104, 001106, 001109-N, 001110, 001111, 001114, 001115-12, 001115-24, 001117-12, 001118-12, 001119, 001123, 001136, 001145, 001160, 001175, 001360, 001450, 001485, 004300-24, 004301-SP, 004302, 004305-24, 004309, 004310, 004373, 004374, 004375, 004377, 004378, 004378-D, 004410, 004410-SP, 004411, 004510, 006003, 006005, 006008, 006030-N, 006036-N, 006041, 006050, 007004, 007005-24, 007005-48, 007010, 007020, 007020-N, 007022, 007024, 007035, 007035-N, 007048, 007054, 007055, 007090, 007185, 007280, 007400, 007800, 007960, 007980, 009005, 009972, 011003, 011004, 011005, 011303, 011305, 011308, 011550, 011940 |

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

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Relevant identified uses</b> | Sealing toilet bowl to flange |
|---------------------------------|-------------------------------|

##### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

|                                |  |
|--------------------------------|--|
| <b>Registered company name</b> | William H. Harvey Company  |
| <b>Address</b>                 | 4334 South 67th Street, Omaha, NE 68117 United States NE 68117 United States |
| <b>Telephone</b>               | 402-331-1175   |
| <b>Fax</b>                     | Not Available  |
| <b>Website</b>                 | <a href="http://oatey.com">oatey.com</a>                                     |
| <b>Email</b>                   | <a href="mailto:info@oatey.com">info@oatey.com</a>                           |

##### Emergency phone number

|  |  |
|--|--|
| <b>Association / Organisation</b>        | Chemtrec   |
| <b>Emergency telephone numbers</b>       | 1-800-424-9300. (Outside the U.S. 1- 703-527-3887) |
| <b>Other emergency telephone numbers</b> | Emergency First Aid 1-877-740-5015                 |

#### SECTION 2 Hazard(s) identification

##### Classification of the substance or mixture

|                       |                |
|-----------------------|----------------|
| <b>Classification</b> | Not Applicable |
|-----------------------|----------------|

## Harvey Wax Bowl Ring

### Label elements

|                            |                       |
|----------------------------|-----------------------|
| <b>Hazard pictogram(s)</b> | Not Applicable        |
| <b>Signal word</b>         | <b>Not Applicable</b> |

### Hazard statement(s)

Not Applicable

### Hazard(s) not otherwise classified

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

### Precautionary statement(s) Prevention

Not Applicable

### Precautionary statement(s) Response

Not Applicable

### Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

Not Applicable

## SECTION 3 Composition / information on ingredients

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No     | %[weight] | Name                        |
|------------|-----------|-----------------------------|
| 8009-03-8. | 50-100    | <u>petrolatum</u>           |
| 63231-60-7 | <=50      | <u>microcrystalline wax</u> |

## SECTION 4 First-aid measures

### Description of first aid measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> <li>▸ Wash out immediately with water.</li> <li>▸ If irritation continues, seek medical attention.</li> <li>▸ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> <li>▸ Flush skin and hair with running water (and soap if available).</li> <li>▸ Seek medical attention in event of irritation.</li> </ul>   |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>▸ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▸ Other measures are usually unnecessary.</li> </ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>▸ Immediately give a glass of water.</li> <li>▸ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>  |

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

See Section 11

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

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Treat symptomatically.

- Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this product.
- In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.
- High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

**NOTE:** Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Product may be forced through considerable distances along tissue planes.

### SECTION 5 Fire-fighting measures

#### Extinguishing media

Use of carbon tetrachloride to extinguish a wax fire produced an explosion. It is postulated that to a violent reaction between unsaturated wax components and carbon tetrachloride initiated by free radicals from decomposing peroxides might have occurred; alternately contact of cold water with the molten material might have led to a vapour explosion.

- Do NOT direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog - Large fires only.

#### Special hazards arising from the substrate or mixture

|                             |  |
|-----------------------------|--|
| <b>Fire Incompatibility</b> | ▸ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|-----------------------------|--|

#### Special protective equipment and precautions for fire-fighters

|                              |   |
|------------------------------|---|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>▸ Alert Fire Department and tell them location and nature of hazard.</li> <li>▸ Wear breathing apparatus plus protective gloves.</li> <li>▸ Prevent, by any means available, spillage from entering drains or water courses.</li> <li>▸ Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>▸ <b>DO NOT</b> approach containers suspected to be hot.</li> <li>▸ Cool fire exposed containers with water spray from a protected location.</li> <li>▸ If safe to do so, remove containers from path of fire.</li> <li>▸ Equipment should be thoroughly decontaminated after use.</li> </ul> |
| <b>Fire/Explosion Hazard</b> | <p>Combustion products include:<br/>carbon monoxide (CO)<br/>carbon dioxide (CO<sub>2</sub>)<br/>other pyrolysis products typical of burning organic material.</p> <p><b>NOTE:</b> Burns with intense heat. Produces melting, flowing, burning liquid and dense acrid black smoke.<br/><b>CARE:</b> Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.</p>   |

### SECTION 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

See section 8

#### Environmental precautions

See section 12

#### Methods and material for containment and cleaning up

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | <ul style="list-style-type: none"> <li>▸ Clean up all spills immediately.</li> <li>▸ Avoid contact with skin and eyes.</li> <li>▸ Wear impervious gloves and safety glasses.</li> <li>▸ Use dry clean up procedures and avoid generating dust.</li> <li>▸ Vacuum up (consider explosion-proof machines designed to be grounded during storage and use).</li> <li>▸ Do NOT use air hoses for cleaning</li> <li>▸ Place spilled material in clean, dry, sealable, labelled container.</li> </ul> |
|---------------------|--|

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|                     |   |
|---------------------|---|
| <b>Major Spills</b> | <ul style="list-style-type: none"> <li>▶ Clear area of personnel and move upwind.</li> <li>▶ Alert Fire Department and tell them location and nature of hazard.</li> <li>▶ Control personal contact with the substance, by using protective equipment and dust respirator.</li> <li>▶ Prevent spillage from entering drains, sewers or water courses.</li> <li>▶ Avoid generating dust.</li> <li>▶ Sweep, shovel up. Recover product wherever possible.</li> <li>▶ Put residues in labelled plastic bags or other containers for disposal.</li> <li>▶ If contamination of drains or waterways occurs, advise emergency services.</li> </ul> |
|---------------------|---|

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 Handling and storage

### Precautions for safe handling

|                          |   |
|--------------------------|---|
| <b>Safe handling</b>     | <ul style="list-style-type: none"> <li>▶ Limit all unnecessary personal contact.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> <li>▶ Use in a well-ventilated area.</li> <li>▶ Avoid contact with incompatible materials.</li> <li>▶ When handling, <b>DO NOT</b> eat, drink or smoke.</li> <li>▶ Keep containers securely sealed when not in use.</li> <li>▶ Avoid physical damage to containers.</li> <li>▶ Always wash hands with soap and water after handling.</li> <li>▶ Work clothes should be laundered separately.</li> <li>▶ Use good occupational work practice.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>▶ Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>  |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>▶ Store in original containers.</li> <li>▶ Keep containers securely sealed.</li> <li>▶ Store in a cool, dry area protected from environmental extremes.</li> <li>▶ Store away from incompatible materials and foodstuff containers.</li> <li>▶ Protect containers against physical damage and check regularly for leaks.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul> <p>For major quantities:</p> <ul style="list-style-type: none"> <li>▶ Consider storage in bunded areas - ensure storage areas are isolated from sources of community water (including stormwater, ground water, lakes and streams).</li> <li>▶ Ensure that accidental discharge to air or water is the subject of a contingency disaster management plan; this may require consultation with local authorities.</li> </ul> |

### Conditions for safe storage, including any incompatibilities

|                                |  |
|--------------------------------|--|
| <b>Suitable container</b>      | <ul style="list-style-type: none"> <li>▶ Lined metal can, lined metal pail/ can.</li> <li>▶ Plastic pail.</li> <li>▶ Polyliner drum.</li> <li>▶ Packing as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul> |
| <b>Storage incompatibility</b> | <p>Avoid contamination of water, foodstuffs, feed or seed.</p> <ul style="list-style-type: none"> <li>▶ Avoid reaction with oxidising agents</li> </ul>  |

## SECTION 8 Exposure controls / personal protection

### Control parameters

#### Occupational Exposure Limits (OEL)

#### INGREDIENT DATA

| Source   | Ingredient | Material name   | TWA           | STEL          | Peak          | Notes         |
|--|------------|---|---------------|---------------|---------------|---------------|
| US OSHA Permissible Exposure Limits (PELs) Table Z-1 | petrolatum | Oil mist, mineral   | 5 mg/m3       | Not Available | Not Available | Not Available |
| US ACGIH Threshold Limit Values (TLV)                | petrolatum | Mineral oil, excluding metal working fluids - Poorly and mildly refined | Not Available | Not Available | Not Available | A2            |

Continued...


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| Source   | Ingredient           | Material name  | TWA                 | STEL          | Peak          | Notes          |
|--|----------------------|--|---------------------|---------------|---------------|----------------|
| US ACGIH Threshold Limit Values (TLV)                | petrolatum           | Mineral oil, excluding metal working fluids - Pure, highly and severely refined (Inhalable particulate matter) | 5 mg/m3             | Not Available | Not Available | A4             |
| US OSHA Permissible Exposure Limits (PELs) Table Z-3 | microcrystalline wax | Inert or Nuisance Dust: Respirable fraction  | 5 mg/m3 / 15 mppcf  | Not Available | Not Available | Not Available  |
| US OSHA Permissible Exposure Limits (PELs) Table Z-3 | microcrystalline wax | Inert or Nuisance Dust: Total Dust   | 15 mg/m3 / 50 mppcf | Not Available | Not Available | Not Available  |
| US OSHA Permissible Exposure Limits (PELs) Table Z-1 | microcrystalline wax | Particulates Not Otherwise Regulated (PNOR)- Total dust  | 15 mg/m3            | Not Available | Not Available | Not Available  |
| US OSHA Permissible Exposure Limits (PELs) Table Z-1 | microcrystalline wax | Particulates Not Otherwise Regulated (PNOR)- Respirable fraction   | 5 mg/m3             | Not Available | Not Available | Not Available  |
| US NIOSH Recommended Exposure Limits (RELs)          | microcrystalline wax | Particulates not otherwise regulated   | Not Available       | Not Available | Not Available | See Appendix D |

## Exposure controls

| <b>Appropriate engineering controls</b>  | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.</p> <p>Employers may need to use multiple types of controls to prevent employee overexposure.</p> <p>General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying 'escape' velocities which, in turn, determine the 'capture velocities' of fresh circulating air required to effectively remove the contaminant.</p> |                                 |                        |   |                                 |   |                                  |  |                               |  |                                    |
|--|--|---------------------------------|------------------------|---|---------------------------------|---|----------------------------------|--|-------------------------------|--|------------------------------------|
|  | <table border="1"> <thead> <tr> <th>Type of Contaminant:</th> <th>Air Speed:</th> </tr> </thead> <tbody> <tr> <td>solvent, vapours, degreasing etc., evaporating from tank (in still air)</td> <td>0.25-0.5 m/s<br/>(50-100 f/min)</td> </tr> <tr> <td>aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)</td> <td>0.5-1 m/s (100-200 f/min.)</td> </tr> <tr> <td>direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)</td> <td>1-2.5 m/s (200-500 f/min)</td> </tr> <tr> <td>grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).</td> <td>2.5-10 m/s<br/>(500-2000 f/min.)</td> </tr> </tbody> </table>   | Type of Contaminant:            | Air Speed:             | solvent, vapours, degreasing etc., evaporating from tank (in still air) | 0.25-0.5 m/s<br>(50-100 f/min)  | aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation) | 0.5-1 m/s (100-200 f/min.)       | direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion) | 1-2.5 m/s (200-500 f/min)     | grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion). | 2.5-10 m/s<br>(500-2000 f/min.)    |
|  | Type of Contaminant:   | Air Speed:                      |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | solvent, vapours, degreasing etc., evaporating from tank (in still air)  | 0.25-0.5 m/s<br>(50-100 f/min)  |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)  | 0.5-1 m/s (100-200 f/min.)      |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)   | 1-2.5 m/s (200-500 f/min)       |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).   | 2.5-10 m/s<br>(500-2000 f/min.) |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | <p>Within each range the appropriate value depends on:</p> <table border="1"> <thead> <tr> <th>Lower end of the range</th> <th>Upper end of the range</th> </tr> </thead> <tbody> <tr> <td>1: Room air currents minimal or favourable to capture</td> <td>1: Disturbing room air currents</td> </tr> <tr> <td>2: Contaminants of low toxicity or of nuisance value only</td> <td>2: Contaminants of high toxicity</td> </tr> <tr> <td>3: Intermittent, low production.</td> <td>3: High production, heavy use</td> </tr> <tr> <td>4: Large hood or large air mass in motion</td> <td>4: Small hood - local control only</td> </tr> </tbody> </table>   | Lower end of the range          | Upper end of the range | 1: Room air currents minimal or favourable to capture                   | 1: Disturbing room air currents | 2: Contaminants of low toxicity or of nuisance value only   | 2: Contaminants of high toxicity | 3: Intermittent, low production.   | 3: High production, heavy use | 4: Large hood or large air mass in motion  | 4: Small hood - local control only |
|  | Lower end of the range   | Upper end of the range          |                        |   |                                 |   |                                  |  |                               |  |                                    |
|  | 1: Room air currents minimal or favourable to capture  | 1: Disturbing room air currents |                        |   |                                 |   |                                  |  |                               |  |                                    |
| 2: Contaminants of low toxicity or of nuisance value only  | 2: Contaminants of high toxicity   |                                 |                        |   |                                 |   |                                  |  |                               |  |                                    |
| 3: Intermittent, low production.   | 3: High production, heavy use  |                                 |                        |   |                                 |   |                                  |  |                               |  |                                    |
| 4: Large hood or large air mass in motion  | 4: Small hood - local control only   |                                 |                        |   |                                 |   |                                  |  |                               |  |                                    |
| <p>Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.</p> <p>For molten materials:</p> <p>Provide mechanical ventilation; in general such ventilation should be provided at compounding/ converting areas and at fabricating/ filling work stations where the material is heated. Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.</p> |  |                                 |                        |   |                                 |   |                                  |  |                               |  |                                    |

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|                                |  |
|--------------------------------|--|
|                                | <p>Keep dry!!</p> <p>Processing temperatures may be well above boiling point of water, so wet or damp material may cause a serious steam explosion if used in unvented equipment.</p>  |
| <b>Personal protection</b>     |   |
| <b>Eye and face protection</b> | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields</li> <li>▶ Chemical goggles.</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul> |
| <b>Skin protection</b>         | See Hand protection below  |
| <b>Hands/feet protection</b>   | <p>Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present.</p> <ul style="list-style-type: none"> <li>▶ polychloroprene.</li> <li>▶ nitrile rubber.</li> <li>▶ butyl rubber.</li> <li>▶ fluorocautchouc.</li> <li>▶ polyvinyl chloride.</li> </ul> <p>Gloves should be examined for wear and/ or degradation constantly.</p>  |
| <b>Body protection</b>         | See Other protection below   |
| <b>Other protection</b>        | <p>No special equipment needed when handling small quantities.</p> <p><b>OTHERWISE:</b></p> <ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ Barrier cream.</li> <li>▶ Eyewash unit.</li> </ul>   |

### Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

- Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.
- The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).
- Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.
- Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.
- Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
- Use approved positive flow mask if significant quantities of dust becomes airborne.
- Try to avoid creating dust conditions.

## SECTION 9 Physical and chemical properties

### Information on basic physical and chemical properties

|                         |                 |  |               |
|-------------------------|-----------------|--|---------------|
| <b>Appearance</b>       | Off-White Solid |  |               |
| <b>Physical state</b>   | Solid           | <b>Relative density (Water = 1)</b>            | 0.85          |
| <b>Odour</b>            | Slight          | <b>Partition coefficient n-octanol / water</b> | Not Available |
| <b>Odour threshold</b>  | Not Available   | <b>Auto-ignition temperature (°C)</b>          | Not Available |
| <b>pH (as supplied)</b> | Not Available   | <b>Decomposition temperature</b>               | Not Available |

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|   |                |  |                |
|---|----------------|--|----------------|
| <b>Melting point / freezing point (°C)</b>          | Not Available  | <b>Viscosity (cSt)</b>                   | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | 435 - 782      | <b>Molecular weight (g/mol)</b>          | Not Available  |
| <b>Flash point (°C)</b>                             | 300            | <b>Taste</b>                             | Not Available  |
| <b>Evaporation rate</b>                             | Not Available  | <b>Explosive properties</b>              | Not Available  |
| <b>Flammability</b>                                 | Not Applicable | <b>Oxidising properties</b>              | Not Available  |
| <b>Upper Explosive Limit (%)</b>                    | Not Available  | <b>Surface Tension (dyn/cm or mN/m)</b>  | Not Applicable |
| <b>Lower Explosive Limit (%)</b>                    | Not Available  | <b>Volatile Component (%vol)</b>         | Not Available  |
| <b>Vapour pressure (kPa)</b>                        | Not Available  | <b>Gas group</b>                         | Not Available  |
| <b>Solubility in water</b>                          | Immiscible     | <b>pH as a solution (Not Available%)</b> | Not Available  |
| <b>Vapour density (Air = 1)</b>                     | Not Available  | <b>VOC g/L</b>                           | Not Available  |

## SECTION 10 Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | See section 7   |
| <b>Chemical stability</b>                 | Product is considered stable and hazardous polymerisation will not occur. |
| <b>Possibility of hazardous reactions</b> | See section 7   |
| <b>Conditions to avoid</b>                | See section 7   |
| <b>Incompatible materials</b>             | See section 7   |
| <b>Hazardous decomposition products</b>   | See section 5   |

## SECTION 11 Toxicological information

## Information on toxicological effects

|                     |   |
|---------------------|---|
| <b>Inhaled</b>      | The material is not thought to produce adverse health effects or irritation of the respiratory tract. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.  |
| <b>Ingestion</b>    | The material has <b>NOT</b> been classified as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.   |
| <b>Skin Contact</b> | Molten material is capable of causing burns.<br>Irritation and skin reactions are possible with sensitive skin<br>Open cuts, abraded or irritated skin should not be exposed to this material<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.<br>Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| <b>Eye</b>          | Although the material is not thought to be an irritant, direct contact with the eye may cause transient discomfort characterized by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result.   |
| <b>Chronic</b>      | Long-term exposure to the product is not thought to produce chronic effects adverse to the health; nevertheless exposure by all routes should be minimized as a matter of course.   |

|  |   |                                 |   |
|--|---|---------------------------------|---|
| <b>Acute Toxicity</b>                    | ✗ | <b>Carcinogenicity</b>          | ✗ |
| <b>Skin Irritation/Corrosion</b>         | ✗ | <b>Reproductivity</b>           | ✗ |
| <b>Serious Eye Damage/Irritation</b>     | ✗ | <b>STOT - Single Exposure</b>   | ✗ |
| <b>Respiratory or Skin sensitisation</b> | ✗ | <b>STOT - Repeated Exposure</b> | ✗ |
| <b>Mutagenicity</b>                      | ✗ | <b>Aspiration Hazard</b>        | ✗ |

## Harvey Wax Bowl Ring

**Legend:** ✘ – Data either not available or does not fill the criteria for classification  
✔ – Data available to make classification

## SECTION 12 Ecological information

## Toxicity

| Harvey Wax Bowl Ring | Endpoint      | Test Duration (hr) | Species       | Value         | Source        |
|----------------------|---------------|--------------------|---------------|---------------|---------------|
|                      | Not Available | Not Available      | Not Available | Not Available | Not Available |

| petrolatum | Endpoint      | Test Duration (hr) | Species       | Value         | Source        |
|------------|---------------|--------------------|---------------|---------------|---------------|
|            | Not Available | Not Available      | Not Available | Not Available | Not Available |

| microcrystalline wax | Endpoint      | Test Duration (hr) | Species       | Value         | Source        |
|----------------------|---------------|--------------------|---------------|---------------|---------------|
|                      | Not Available | Not Available      | Not Available | Not Available | Not Available |

**Legend:** *Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data*

## Persistence and degradability

| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|------------|---------------------------------------|---------------------------------------|
|            | No Data available for all ingredients | No Data available for all ingredients |

## Bioaccumulative potential

| Ingredient | Bioaccumulation                       |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

## Mobility in soil

| Ingredient | Mobility                              |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

## SECTION 13 Disposal considerations

## Waste treatment methods

| Product / Packaging disposal |  |
|------------------------------|--|
|                              | <ul style="list-style-type: none"> <li>▶ <b>DO NOT</b> allow wash water from cleaning or process equipment to enter drains.</li> <li>▶ It may be necessary to collect all wash water for treatment before disposal.</li> <li>▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>▶ Where in doubt contact the responsible authority.</li> </ul> |

## SECTION 14 Transport information

## Labels Required

| Marine Pollutant |    |
|------------------|----|
|                  | NO |

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Continued...



## Harvey Wax Bowl Ring

## Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name         | Group         |
|----------------------|---------------|
| petrolatum           | Not Available |
| microcrystalline wax | Not Available |

## Transport in bulk in accordance with the ICG Code

| Product name         | Ship Type     |
|----------------------|---------------|
| petrolatum           | Not Available |
| microcrystalline wax | Not Available |

## SECTION 15 Regulatory information

## Safety, health and environmental regulations / legislation specific for the substance or mixture

## petrolatum is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans

US - California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65 List

US ACGIH Threshold Limit Values (TLV)

US ACGIH Threshold Limit Values (TLV) - Carcinogens

US DOE Temporary Emergency Exposure Limits (TEELs)

US National Toxicology Program (NTP) 15th Report Part A Known to be Human Carcinogens

US OSHA Permissible Exposure Limits (PELs) Table Z-1

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

## microcrystalline wax is found on the following regulatory lists

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Limits (PELs) Table Z-1

US OSHA Permissible Exposure Limits (PELs) Table Z-3

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

## Federal Regulations

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

## Section 311/312 hazard categories

|  |    |
|--|----|
| Flammable (Gases, Aerosols, Liquids, or Solids)              | No |
| Gas under pressure   | No |
| Explosive  | No |
| Self-heating   | No |
| Pyrophoric (Liquid or Solid)                                 | No |
| Pyrophoric Gas   | No |
| Corrosive to metal   | No |
| Oxidizer (Liquid, Solid or Gas)                              | No |
| Organic Peroxide   | No |
| Self-reactive  | No |
| In contact with water emits flammable gas                    | No |
| Combustible Dust   | No |
| Carcinogenicity  | No |
| Acute toxicity (any route of exposure)                       | No |
| Reproductive toxicity  | No |
| Skin Corrosion or Irritation                                 | No |
| Respiratory or Skin Sensitization                            | No |
| Serious eye damage or eye irritation                         | No |
| Specific target organ toxicity (single or repeated exposure) | No |
| Aspiration Hazard  | No |
| Germ cell mutagenicity                                       | No |
| Simple Asphyxiant  | No |

Continued...

## Harvey Wax Bowl Ring

Hazards Not Otherwise Classified

Yes

### US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None Reported

### State Regulations

#### US. California Proposition 65

None Reported

### National Inventory Status

| National Inventory | Status   |
|--------------------|--|
| USA - TSCA         | Yes  |
| <b>Legend:</b>     | <p>Yes = All CAS declared ingredients are on the inventory</p> <p>No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.</p> |

### SECTION 16 Other information

|                      |            |
|----------------------|------------|
| <b>Revision Date</b> | 01/27/2022 |
| <b>Initial Date</b>  | 01/22/2022 |

### Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average  
 PC—STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit  
 IDLH: Immediately Dangerous to Life or Health Concentrations  
 ES: Exposure Standard  
 OSF: Odour Safety Factor  
 NOAEL :No Observed Adverse Effect Level  
 LOAEL: Lowest Observed Adverse Effect Level  
 TLV: Threshold Limit Value  
 LOD: Limit Of Detection  
 OTV: Odour Threshold Value  
 BCF: BioConcentration Factors  
 BEI: Biological Exposure Index  
 AIIC: Australian Inventory of Industrial Chemicals  
 DSL: Domestic Substances List  
 NDSL: Non-Domestic Substances List  
 IECSC: Inventory of Existing Chemical Substance in China  
 EINECS: European INventory of Existing Commercial chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 NLP: No-Longer Polymers  
 ENCS: Existing and New Chemical Substances Inventory  
 KECI: Korea Existing Chemicals Inventory  
 NZIoC: New Zealand Inventory of Chemicals  
 PICCS: Philippine Inventory of Chemicals and Chemical Substances  
 TSCA: Toxic Substances Control Act  
 TCSI: Taiwan Chemical Substance Inventory  
 INSQ: Inventario Nacional de Sustancias Químicas  
 NCI: National Chemical Inventory  
 FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances