

## 1. Product and Company Identification

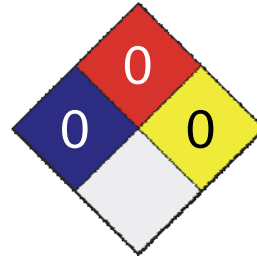
**Product Name** Sani-Flush® Automatic Toilet Bowl Cleaner  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).  
 This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Toilet bowl cleaner

**Distributed by** Reckitt Benckiser (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

| LEGEND<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | / 0 |
| Flammability        | 0   |
| Physical Hazard     | 0   |
| Personal Protection | A   |



## 2. Hazards Identification

**Emergency Overview** May cause transient eye irritation upon direct contact with the eyes.  
 Keep out of reach of children.

### Potential short term health effects

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** None expected during normal conditions of use.  
 May cause eye irritation upon direct contact with the eyes.

**Skin** None expected during normal conditions of use.  
 Not expected to be a skin sensitizer.

**Inhalation** None expected during normal conditions of use.

**Ingestion** Health injuries are not known or expected under normal use.

**Target organs** Eyes. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin.  
 Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

| Ingredient(s)                 | CAS #      | Percent   |
|-------------------------------|------------|-----------|
| Methyl salicylate             | 119-36-8   | 0.1 - 1   |
| Alcohols, C12-16, ethoxylated | 68551-12-2 | 0.5 - 1.5 |

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## 4. First Aid Measures

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### First aid procedures

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. If irritation occurs or persists, get medical attention.   |
| <b>Skin contact</b> | In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water. If skin irritation persists, call a physician.  |
| <b>Inhalation</b>   | Move to fresh air.  |
| <b>Ingestion</b>    | Product not expected to cause adverse effects by this route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Contact a physician or Poison Control Center for treatment advice. Show the container or product label to the medical personnel. DO NOT induce vomiting. |

### Notes to physician

Treat patient symptomatically.

### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.  
Avoid contact with eyes and skin.

Keep out of reach of children.

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## 5. Fire-fighting Measures

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|   |   |
|---|---|
| <b>Flammable properties</b>                       | Not flammable by WHMIS criteria.  |
| <b>Extinguishing media</b>                        |   |
| <b>Suitable extinguishing media</b>               | Treat for surrounding material.   |
| <b>Unsuitable extinguishing media</b>             | Not available   |
| <b>Protection of firefighters</b>                 |   |
| <b>Specific hazards arising from the chemical</b> | Not available   |
| <b>Protective equipment for firefighters</b>      | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| <b>Hazardous combustion products</b>              | May include and are not limited to: Oxides of carbon.   |
| <b>Explosion data</b>                             |   |
| <b>Sensitivity to mechanical impact</b>           | Not available   |
| <b>Sensitivity to static discharge</b>            | Not available   |

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## 6. Accidental Release Measures

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|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Avoid contact with eyes and prolonged exposure to skin.<br>Ensure adequate ventilation.<br>Wear appropriate protective clothing.   |
| <b>Environmental precautions</b> | Advise authorities if product has penetrated drains, sewers or water pipes.<br>Do not allow material to contaminate ground water system.   |
| <b>Methods for containment</b>   | Prevent further leakage or spillage if safe to do so.  |
| <b>Methods for cleaning up</b>   | Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. |

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## 7. Handling and Storage

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|                 |  |
|-----------------|--|
| <b>Handling</b> | Ensure adequate ventilation.<br>Avoid contact with eyes, skin and clothing.<br>When using do not eat or drink.<br>Wash hands before breaks and immediately after handling the product.<br>Use good industrial hygiene practices in handling this material. |
| <b>Storage</b>  | Store in original container in a cool, dry, well-ventilated area inaccessible to small children.<br>Keep from freezing.<br>Keep out of reach of children.  |

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

| Ingredient(s) | Exposure limit values |
|---------------|-----------------------|
|---------------|-----------------------|

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Alcohols, C12-16, ethoxylated

**ACGIH-TLV**

Not established

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Methyl salicylate

**ACGIH-TLV**

Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

#### Eye / face protection

Avoid contact with eyes.  
Not normally required under normal use conditions.  
Emergency responders should wear full eye and face protection.

#### Hand protection

No special requirements under normal use conditions.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

As required by employer code. Usual safety precautions while handling the product will provide adequate protection against injury or irritation.

#### Respiratory protection

Not normally required under normal use conditions.  
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

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## 9. Physical and Chemical Properties

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|  |                                   |
|--|-----------------------------------|
| Appearance                                     | Liquid                            |
| Colour   | dark blue                         |
| Form   | aqueous solution                  |
| Odour  | Fresh                             |
| Odour threshold                                | Not available                     |
| Physical state                                 | Liquid                            |
| pH   | 6 - 8                             |
| Freezing point                                 | Not available                     |
| Boiling point                                  | Not available                     |
| Pour point                                     | Not available                     |
| Evaporation Rate                               | Not available                     |
| Flash point                                    | > 93.3 °C (> 199.94 °F) Tagliabue |
| Auto-ignition temperature                      | Not available                     |
| Flammability limits in air, lower, % by volume | Not available                     |
| Flammability Limits in Air, Upper, % by Volume | Not available                     |
| Vapour pressure                                | Not available                     |
| Vapour density                                 | Not available                     |
| Specific gravity                               | 0.98 - 1.02 @ 25°C                |
| Octanol/water coefficient                      | Not available                     |
| Solubility (H2O)                               | Complete                          |

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## 10. Stability and Reactivity

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|   |   |
|---|---|
| <b>Reactivity</b>                         | This product may react with strong oxidizing agents.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation does not occur.  |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.  |
| <b>Conditions to avoid</b>                | DO NOT MIX WITH BLEACH or use in conjunction with other household products.<br>Do not freeze<br>Excessive heat. |
| <b>Incompatible materials</b>             | Caustics. Acids. Oxidizers.   |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.   |

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## 11. Toxicological Information

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### Component analysis - LC50

| Ingredient(s)                 | LC50          |
|-------------------------------|---------------|
| Alcohols, C12-16, ethoxylated | Not available |
| Methyl salicylate             | Not available |

### Component analysis - Oral LD50

| Ingredient(s)                 | LD50   |
|-------------------------------|--|
| Alcohols, C12-16, ethoxylated | 1380 mg/kg rat   |
| Methyl salicylate             | 887 mg/kg rat; 1110 mg/kg mouse; 2100 mg/kg dog; 1300 mg/kg rabbit; 700 mg/kg guinea pig |

### Effects of acute exposure

|   |   |
|---|---|
| <b>Eye</b>  | None expected during normal conditions of use.<br>May cause eye irritation upon direct contact with the eyes. |
| <b>Skin</b>   | None expected during normal conditions of use.<br>Not expected to be a skin sensitizer.                       |
| <b>Inhalation</b>                                   | None expected during normal conditions of use.  |
| <b>Ingestion</b>                                    | Health injuries are not known or expected under normal use.   |
| <b>Sensitisation</b>                                | The finished product is not expected to have chronic health effects.  |
| <b>Chronic effects</b>                              | The finished product is not expected to have chronic health effects.  |
| <b>Carcinogenicity</b>                              | The finished product is not expected to have chronic health effects.  |
| <b>Mutagenicity</b>                                 | The finished product is not expected to have chronic health effects.  |
| <b>Reproductive effects</b>                         | The finished product is not expected to have chronic health effects.  |
| <b>Teratogenicity</b>                               | The finished product is not expected to have chronic health effects.  |
| <b>Name of Toxicologically Synergistic Products</b> | Not available   |

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## 12. Ecological Information

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|   |   |
|---|---|
| <b>Ecotoxicity</b>                                    | Components of this product have been identified as having potential environmental concerns. |
| <b>Ecotoxicity - Water Flea - Acute Toxicity Data</b> |   |
| Methyl salicylate                                     | 119-36-8      24 Hr EC50 Daphnia magna: 50 mg/L   |
| <b>Persistence and degradability</b>                  | Not available   |
| <b>Bioaccumulation/accumulation</b>                   | Not available   |
| <b>Mobility in environmental media</b>                | Not available   |
| <b>Environmental effects</b>                          | Not available   |
| <b>Aquatic toxicity</b>                               | Not available   |
| <b>Partition coefficient</b>                          | Not available   |
| <b>Chemical fate information</b>                      | Not available   |
| <b>Other adverse effects</b>                          | Not available   |

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## 13. Disposal Considerations

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|--|--|
| <b>Disposal instructions</b>                 | Review federal, provincial, and local government requirements prior to disposal.<br>Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.<br>Dispose of in accordance with local regulations.<br>Empty container can be discarded in the trash or recycled where appropriate. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | Not available  |

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## 14. Transport Information

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**UN/ID N.o.** Not applicable

**U.S. Department of Transportation (DOT): Classification:** Not regulated

**Proper shipping name** Not applicable

**U.S. DOT Hazard Class** Not applicable

**Subsidiary Risk** Not applicable

**Packing group** Not applicable

**DOT RQ (lbs)** Not applicable  
**ERG NO** Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

**Proper shipping name** Not applicable

**Status** Not applicable

**Packing group** Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

**Proper shipping name** Not applicable

**Class** Not applicable

**Subsidiary Risk** Not applicable

**Packing group** Not applicable

**IMDG Page** Not applicable

**Marine pollutant** Not applicable

**EMS** Not applicable

**MFAG** Not applicable

**Maximum Quantity** Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk:** Not applicable  
**Packing group** Not applicable  
**Maximum Quantity** Not applicable

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## 15. Regulatory Information

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**Canadian federal 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.

Product Registration: Product is compliant with CCCR regulatory guidelines; a specific registration is not required for this product.

**Canada - WHMIS - Ingredient Disclosure List**

Methyl salicylate 119-36-8 0.1 %

**WHMIS classification** Exempt - Consumer product

**Inventory Status**

| Country(s) or region | Inventory Name                      | On Inventory (Yes/No)* |
|----------------------|-------------------------------------|------------------------|
| Canada               | Domestic Substances List (DSL)      | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL) | No                     |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer** This product should only be used as directed on the label and for the purpose intended. 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. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Further information** Sani-Flush® Automatic Toilet Bowl Cleaner - 0081273v1.0

**Issue date** 14-Sept-2012

**Effective Date** 15-Sept-2012

**Expiry Date** 15-Sept-2015

**Prepared by** Reckitt Benckiser Regulatory Department 800-333-3899

**Other Information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.  
This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.