1. Identification

1.1. Product identifier
Product Identity Super Banish® Appliance Deodorant
Alternate Names Appliance Deodorant

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use Deodorizer for ostomy bags.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name Smith & Nephew
970 Lake Carillon Drive, Suite 110
St. Petersburg, FL 33716
Emergency Customer Service: Smith & Nephew 1-800-876-1261

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Skin Irrit. 2;H315 Causes skin irritation.
Eye Irrit. 2;H319 Causes serious eye irritation.
Repr. 1B;H360D May damage the unborn child.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H360D May damage the unborn child.

[Prevention]:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

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P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+313 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+313 IF exposed or concerned: Get medical advice / attention.
P321 Specific treatment (see information on this label).
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.

[Storage]:
P405 Store locked up.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylene Glycol (TEG) CAS Number: 000012-27-6</td>
<td>75 - 100</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>Imidazolidinethione CAS Number: 000096-45-7</td>
<td>1.0 - 10</td>
<td>Repr. 1B; H360D Acute Tox. 4; H302</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Nitric acid silver(I+) salt CAS Number: 0007761-88-8</td>
<td>1.0 - 10</td>
<td>Ox. Sol. 2; H272 Skin Corr. 1B; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>[1]</td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

**General**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Flush area and clothing with water immediately for 15 minutes. Remove contaminated clothes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.
4.2. Most important symptoms and effects, both acute and delayed

Overview

Acute Effects

Eye: May cause slight to mild eye irritation. Excessive exposure can cause burns, tearing and redness to eyes.

Skin: Prolonged or repeated contact may cause irritation.

Ingestion: Irritating to the mouth, throat, and stomach. Can cause dizziness, headaches, and incoordination. Nausea, vomiting, and stomach upset can occur.

Inhalation: Irritating to the eyes, nose, and respiratory tract. Can cause dizziness, headaches, faintness, and incoordination. May cause nausea, vomiting, and gastroenteritis.

Medical Conditions Aggravated by Long-Term Exposure: Pre-existing eye and skin disorders may be aggravated by exposure to this product. Liver. Kidneys. Lungs and respiratory system. Skin. Birth defects.

Chronic Effects: Ethylene Thiourea is a probable human carcinogen.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Special Precautions/Procedures: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

See section 2 for further details.

Eyes

Causes serious eye irritation.

Skin

Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, dry chemical, foam, fog or water spray

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon, nitrogen, & sulfur and other toxic vapors.

5.3. Advice for fire-fighters

Self-Contained Breathing Apparatus and protective clothing should be worn.

Do not release runoff from fire control methods to sewers or waterways.

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Small Spills: Wipe up spill, rinse with water.

Large Spills:  
Containment: Isolate hazard area. Keep from entering sewers, lakes, streams, ponds, or other bodies of water. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.  
Cleanup: Absorb on sand or vermiculite & transfer in an approved container for proper disposal.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

7. Handling and storage

7.1. Precautions for safe handling

Keep container tightly closed. Minimize contact with skin.  
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.  
Incompatible materials: Strong oxidizing agents, strong acids, and strong bases.  
Store in a cool dry place, < 77°F / 25°C.  
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000096-45-7</td>
<td>Imidazolidinethione</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>Ca Use encapsulated form</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0000112-27-6</td>
<td>Triethylene Glycol (TEG)</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0007761-88-8</td>
<td>Nitric acid silver(1+) salt</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

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8.2. Exposure controls

Respiratory None required for normal use.
Eyes None required for normal use.
Skin None required for normal use.
Engineering Controls None required for normal use.
Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| Appearance | Clear, Green Liquid |
| Odor | Not Determined |
| Odor threshold | Not Measured |
| pH | Not Determined |
| Melting point / freezing point | Not Determined |
| Initial boiling point and boiling range | 212°F / 100°C |
| Flash Point | > 300°F / > 149°C COC |
| Evaporation rate | < 1 (nBuAc = 1) |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits Lower Explosive Limit: 0.9 (% vol. in air) Upper Explosive Limit: 9.2 (% vol. in air) |
| Vapor pressure | < 10 mmHg |
| Vapor Density | 4.3 (Air = 1 ) |
| Specific Gravity | 1.1 - 1.2 @ 25°C (H2O = 1) |
| Solubility in Water Complete |
| Auto-ignition temperature | Not Determined |
| Decomposition temperature | Not Available |

Viscosity (cSt) Not Determined
VOC Content Not Determined

9.2. Other information
10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
Emits smoke, soot and toxic fumes under fire conditions.

10.4. Conditions to avoid
Temperatures above 300°F / 149°C

10.5. Incompatible materials
Strong oxidizing agents, strong acids, and strong bases.

10.6. Hazardous decomposition products
Oxides of carbon, nitrogen, & sulfur and other toxic vapors.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylene Glycol (TEG) - (112-27-6)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Imidazolidinethione - (96-45-7)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Nitric acid silver(1+) salt - (7761-88-8)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>2</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
# Safety Data Sheet

## Super Banish® Appliance Deodorant

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>---</th>
<th>Not Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity</td>
<td>1B</td>
<td>May damage the unborn child.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

**Aquatic Ecotoxicity**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylene Glycol (TEG)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Imidazolidinethione (96-45-7)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Nitric acid silver(1+) salt (7761-88-8)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

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Safety Data Sheet  
Super Banish® Appliance Deodorant

### 14.2. UN proper shipping name
- Not Regulated
- Not Regulated
- Not Regulated

### 14.3. Transport hazard class(es)
- DOT Hazard Class: Not Applicable
- IMDG: Not Applicable
- Air Class: Not Applicable

### 14.4. Packing group
- Not Applicable
- Not Applicable
- Not Applicable

### 14.5. Environmental hazards
- IMDG: Marine Pollutant: No

### 14.6. Special precautions for user
- No further information

### 15. Regulatory information

**Regulatory Overview**
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)**
All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification**
D2A

**US EPA Tier II Hazards**
- **Fire:** No
- **Sudden Release of Pressure:** No
- **Reactive:** No
- **Immediate (Acute):** Yes
- **Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs (lbs):**
- Imidazolidinethione (10.00)
- Nitric acid silver(1+) salt (1.00)

**EPCRA 302 Extremely Hazardous:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**
- Imidazolidinethione
- Nitric acid silver(1+) salt

**Proposition 65 - Carcinogens (>0.0%):**
- Imidazolidinethione

**Proposition 65 - Developmental Toxins (>0.0%):**
- Imidazolidinethione

**Proposition 65 - Female Repro Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**
- Imidazolidinethione
- Nitric acid silver(1+) salt

**Pennsylvania RTK Substances (>1%):**
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H360D May damage the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document