SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
- Product form: Mixture, powder
- Product name: Sani-Pak Powder
- Product group: Trade product
- Product code: SP/77000/4 & SP/B77000/2
- Part number: SP-77000 & SP-B77000 series

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
- Use of the substance/preparation: Toilet deodorant

1.2.2. Uses advised against
- No data available

1.3. Details of the supplier of the safety data sheet
- Celeste Industries Corporation
- 8221 Teal Drive, suite 405
- Easton, Maryland 21601 (USA)
- Within USA: (410) 822-5775
- International: 00 (1) 410-822-5775
- e-mail: info@celestecorp.com

1.4. Emergency telephone number
- Emergency contact number: For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300
- Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
- Classification according to Regulation (EC) No. 1272/2008 [CLP]
  - Eye Dam. 1 H318
  - Skin Irrit. 2 H315
  - Aquatic Acute 1 H400

Full text of H-phrases: see section 16.

Adverse physicochemical, human health and environmental effects
- No additional information available

2.2. Label elements
- Classification according to CLP Regulation (EC) No 1272/2008

Symbol and Nature of Warning / Danger

Signal Word: Danger

Hazard Statement:
- H318 – Causes serious eye damage.
- H315 – Causes skin irritation.
- H400 – Very toxic to aquatic life.

Precaution Statement:
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
2.3. **Other hazards**

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Bromo-2-nitropropane-1,3-diol</td>
<td>(CAS No.) 52-51-7 (EC no) 200-143-0 (EC index no) 603-085-00-8</td>
<td>7 - 10</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**First-aid measures after inhalation**: Remove victim to fresh air. If necessary seek medical advice.

**First-aid measures after skin contact**: Remove all contaminated clothing and footwear. Rinse and then wash skin with water and soap. If skin irritation persists, take medical advice.

**First-aid measures after eye contact**: Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain medical attention if irritation persists.

**First-aid measures after ingestion**: Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink.

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

**Symptoms/injuries after eye contact**: May cause damage to eyes.

**Symptoms/injuries after ingestion**: May be harmful if swallowed.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2), dry chemical powder, foam, water fog.

#### 5.2. Special hazards arising from the substance or mixture

**Fire hazard**: Non combustible.

#### 5.3. Advice for firefighters

**Protective equipment for firefighters**: Extra personal protection: complete protective clothing including self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Protective equipment**: Gloves. Use splash goggles when eye contact due to splashing is possible.

**Emergency procedures**: Avoid contact with skin and eyes. Do not allow the product to be released into the environment.

##### 6.1.2. For emergency responders

**Protective equipment**: Gloves. Use splash goggles when eye contact due to splashing is possible.

**Emergency procedures**: Avoid contact with skin and eyes. Do not allow uncontrolled leakage of product into the environment.

#### 6.2. Environmental precautions

Do not discharge into drains or the environment. Do not allow uncontrolled leakage of product into the environment.

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

**For containment**: Clean spills promptly. Contain the discharged material.

**Methods for cleaning up**: Collect in closed containers for disposal. Flush residue with large amounts of water. Consult the local waste disposal expert about waste disposal.
6.4. Reference to other sections
Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid contact with skin and eyes.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Provide adequate ventilation.
Storage condition(s): Store in dry, cool, well-ventilated area.
Incompatible materials: Strong oxidizing compounds

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
n/a

8.2. Exposure controls
Appropriate engineering controls: Ensure adequate ventilation.
Personal protective equipment: Chemical resistant gloves; protective eye goggles

Hand protection: In case of repeated or prolonged contact wear gloves.
Eye protection: Wear chemical splash goggles if risk of splash when dissolving powder.
Skin and body protection: Protective apron. protective clothing. Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Pleasant</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Melting point</td>
<td>60 °C</td>
</tr>
<tr>
<td>Solidification point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93 °C</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not applicable vol %</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.57 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidizing</td>
</tr>
</tbody>
</table>
9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions of use.

10.2. Chemical stability
Stable under normal conditions of use.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sani-Pak Powder</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 11000 mg/kg</td>
</tr>
</tbody>
</table>

| **Halogenated Propylene Glycol (Deodorant-Germicide)** | |
| LD50 oral rat | 180 - 400 mg/kg |
| LD50 dermal rat | 1600 mg/kg |
| LC50 inhalation rat (mg/l) | > 5000 mg/l/4h |

Skin corrosion/irritation: Causes skin irritation
pH: Not applicable

Eye damage/irritation: Causes serious eye irritation
pH: Not applicable

Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified

12.2. Persistence and degradability

| Halogenated Propylene Glycol (Deodorant-Germicide) | |
| LC50 fishes | 410 mg/l |
| EC50 Daphnia | 1.6 mg/l 48 hours |
| EC50 other aquatic organisms | 0.4 - 0.9 mg/l 5, 15, 30 minutes |
| ErC50 (algae) | 0.65 mg/l 96 hours |

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

**Sani-Pak Powder**
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects
No additional information available
SECTION 13: Disposal considerations

13.1. Waste treatment methods
Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.
Waste disposal recommendations : Comply with local regulations for disposal.

SECTION 14: Transport information
Not a dangerous good in sense of transport regulations

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH candidate substance

15.1.2. National regulations
No data available

15.2. Chemical safety assessment
CSA has not been established

SECTION 16: Other information

Sources of Key data : SDS, ECHA.

Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye irritation Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

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