SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
UNISON™ Bio-Enzymatic Deodorizing Toilet Rim Cage with Giane Fragrance

Other means of identification
1778

Recommended use
Urinal deodorant

Recommended restrictions
For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name
National Chemical Laboratories of PA, Inc.

Address
401 N. 10th Street - Philadelphia, PA 19123

Telephone
1 (215) 922-1200

Supplier Email
info@nclonline.com

Contact
CHEM-TEL

Emergency Phone
1 (800) 255-3924

Section 2 - Hazard(s) Identification

Physical Hazards
Classification
Not Classified

Health Hazards
Classification
Causes serious eye irritation.
2A

OSHA defined hazards
Not Classified.

Hazard Symbol
Warning

Signal Word
Causes serious eye irritation. Causes skin irritation.

Label Elements

Precautionary statement
Prevention
Wear protective gloves / eye protection. Wash thoroughly after handling.

Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water.

Storage
Store away from incompatible materials.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
None known.

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components

Ingredient Name
Sodium Tetraborate Pentahydrate
Sodium dodecylbenzenesulfonate
2,4,4′-trichloro-2′-hydroxydiphenyl ether
Amides, coco, N-(hydroxyethyl)
Chloroxylenol
Sodium Tetraborate Pentahydrate
Sodium dodecylbenzenesulfonate

CAS #
12179-04-3
25155-30-0
3380-34-5
68140-00-1
88-04-0
12179-04-3
25155-30-0

% of mixture
2 - 6
1 - 5
1 - 5
1 - 5
1 - 5
2 - 6

Section 4 - First-aid Measures

Inhalation
Unlikely route of exposure. Supply fresh air; consult doctor if irritation develops and persists.

Skin contact
Immediately remove any clothing soiled by the product. Brush off loose particles from skin. Immediately rinse with water. If skin irritation continues, consult a doctor.

Eye contact
Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion
Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.
SAFETY DATA SHEET

Most Important symptoms /effects, acute and delayed
May be harmful if swallowed. Irritant to skin and mucous membranes. Irritant to eyes. Coughing. Gastric or intestinal disorders when ingested. Nausea in case of ingestion.

Indication of immediate medical attention and special treatment
No further relevant information available.

General information
Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.

Section 5 - Fire-fighting measures

Suitable extinguishing media
Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media
None.

Specific hazards arising from the chemical
Formation of toxic gases is possible during heating or in case of fire.

Special protective equipment and precautions for firefighters
Wear self-contained respiratory protective device. Wear fully protective suit.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.
Wear protective clothing. Product forms slippery surface when combined with water. Ensure adequate ventilation. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Methods and materials for containment and cleaning up
Ensure adequate ventilation. Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.

Section 7 - Handling and storage

Precautions for safe handling
No special measures required.

Conditions for safe storage, including any incompatibilities
Protect from humidity and water. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Do not store together with oxidising and acidic materials. Store in cool, dry conditions in well sealed receptacles. This product is hygroscopic.

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. Workplace environmental Exposure Level (WEEL) Guides
<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amides, coco, N-(hydroxyethyl) (CAS 68140-00-1)</td>
<td>WEEL</td>
<td>Lont-term Value: 10 mg/m³ (H); MW&gt;200</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values
<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>STEL</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>STEL</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>TWA</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards
<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Sodium Tetraborate Pentahydrate (CAS 12179-04-3)</td>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values
Not established.

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection
If use of product risks exposure to contact, wear safety glasses with side shields.

Skin protection

Hand protection
Impervious gloves are recommended for prolonged use.

Other
If use of product risk exposure to contact, wear suitable protective clothing.

Respiratory protection
Respiratory protection is generally not required. No special ventilation is normally required.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Normal precautions common in good housekeeping should be followed.

Section 9 - Physical and chemical properties

Appearance
**Physical state**  
Solid.

**Form**  
Solid opaque block.

**Color**  
Blue.

**Odor**  
Floral (Giane™).

**Odor threshold**  
Not available.

**pH**  
9.0 - 11.0 (1% Solution)

**Melting point/freezing point**  
Not determined.

**Initial boiling point and boiling range**  
Undetermined.

**Flash point**  
Not applicable.

**Evaporation rate**  
Product does not present an explosion hazard.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**  
Not available.

**Flammability limit - upper (%)**  
Not available.

**Explosive limit - lower (%)**  
Not determined.

**Explosive limit - upper (%)**  
Not determined.

**Vapor pressure**  
Not applicable.

**Relative density**  
Not determined.

**Relative density temperature**  
75 °F (23.9 °C)

**Solubilities (water)**  
Soluble.

**n-octanol/water**  
Not determined.

**Auto-ignition temperature**  
Not determined.

**Decomposition temperature**  
Not determined.

**Viscosity**  
Not applicable.  
Do not store together with oxidising and acidic materials.

**Viscosity Temperature**

**Section 10 - Stability and reactivity**

**Reactivity**  
None.

**Chemical stability**  
No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.

**Possibility of hazardous reactions**  
Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidising agents.

**Conditions to Avoid**  

**Incompatible materials**  
No further relevant information available.

**Hazardous Decomposition**

**Products**  
Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). Sulphur oxides (SOx).

**Section 11 - Toxicological information**

**Information on likely routes of exposure**

**Ingestion**  
Expected to be a low ingestion hazard.

**Inhalation**  
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin contact**  
Prolonged or repeated skin contact may cause drying, cracking, or irritation.

**Eye contact**  
Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects.**

**Acute toxicity**  
Not expected to be acutely toxic.

**Skin corrosion/irritation**  
Prolonged skin contact may cause temporary irritation.

**Serious eye damage/ eye irritation**  
Causes serious eye irritation.

**Respiratory sensitization**  
This product is not expected to cause respiratory sensitization.

**Skin sensitization**  
This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**  
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**  
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity**  
This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**  
Not classified.
SAFETY DATA SHEET

Specific target organ toxicity - repeated exposure: Not classified.
Aspiration hazard: Not an aspiration hazard.
Chronic effects: Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability: No further relevant information available.
Bioaccumulative potential: No further relevant information available.
Partition coefficient n-octanol / water log (Kow):

<table>
<thead>
<tr>
<th>Components</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecylbenzenesulfonate (CAS 25155-30-0)</td>
<td>0.45</td>
</tr>
<tr>
<td>Chloroxylenol (CAS 88-04-0)</td>
<td>2.8</td>
</tr>
<tr>
<td>2,4,4′-trichloro-2′-hydroxydiphenyl ether (CAS 3380-34-5)</td>
<td>4.76</td>
</tr>
<tr>
<td>Sodium dodecylbenzenesulfonate (CAS 25155-30-0)</td>
<td>0.45</td>
</tr>
</tbody>
</table>

Mobility in soil: No further relevant information available.
Mobility in general: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Other adverse effects: No further relevant information available.

Section 13 - Disposal considerations

Disposal instructions: Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Local disposal regulations: Dispose of in accordance with local regulations.
Waste from residues / unused products: Dispose in accordance with all applicable regulations.
Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT: not regulated
Packaging non bulk
IATA
IMDG

Section 15 - Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Components</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecylbenzenesulfonate (CAS 25155-30-0)</td>
<td>LISTED</td>
</tr>
<tr>
<td>Sodium dodecylbenzenesulfonate (CAS 25155-30-0)</td>
<td>LISTED</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories:
- Immediate Hazard: Yes
- Delayed Hazard: No
- Fire Hazard: No
- Pressure Hazard: No
- Reactivity Hazard: No

SARA 302 Extremely hazardous substance: Not listed.
SARA 311/312 Hazardous chemical: No
SARA 313 (TRI reporting): Not regulated.

Other federal regulations:
- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List: Not listed.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.
- Food and Drug Administration (FDA): Not regulated.
- US state regulations
## SAFETY DATA SHEET

### US.Massachusetts RTK - Substance List
- Components
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

### US.New Jersey Worker and Community Right-to-Know Act
- Components
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

### US.Pennsylvania RTK - Hazardous Substances
- Components
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

### US.Rhode Island RTK
- Components
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)
  - Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

### US - California Proposition 65
- California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>No</td>
</tr>
<tr>
<td>United States, Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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### Section 16 - Other information, including date of preparation or last version

- **Revision date**: 1/17/2018
- **Version #**: 02
- **Disclaimer**: The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer’s control, it is the user’s responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product’s improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.