

**SAFETY DATA SHEET**

**Section 1 - Identification**

**Product Identifier** UNISON™ Bio-Enzymatic Jumbo Urinal Screens - Giane  
**Other means of identification** 1770  
**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**

	<b>Classification</b>	<b>Category</b>
<b>Physical Hazards</b>	Not Classified	
<b>Health Hazards</b>	Causes serious eye irritation.	2A
	Not Classified	
<b>OSHA defined hazards</b>	Not Classified.	
<b>Label Elements</b>		
<b>Hazard Symbol</b>		
<b>Signal Word</b>	Warning	
<b>Hazard Statement</b>	Causes serious eye irritation. Causes skin irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wear protective gloves / eye protection. Wash thoroughly after handling.	
<b>Response</b>	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.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	

**Section 3 - Composition/Information on ingredients**

**Mixture**

<b>Hazardous Components</b>	<b>Ingredient Name</b>	<b>CAS #</b>	<b>%</b>
	Sodium Tetraborate Pentahydrate	12179-04-3	2 - 6
	Sodium dodecylbenzenesulfonate	25155-30-0	1 - 5
	2,4,4'-trichloro-2'-hydroxydiphenyl ether	3380-34-5	1 - 5
	Amides, coco, N-(hydroxyethyl)	68140-00-1	1 - 5
	Chloroxylenol	88-04-0	
	Sodium Tetraborate Pentahydrate	12179-04-3	
	Sodium dodecylbenzenesulfonate	25155-30-0	

**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.

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<b>Most Important symptoms /effects, acute and delayed</b>	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.
<b>Indication of immediate medical attention and special treatment</b>	No further relevant information available.
<b>General Information</b>	Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.

## Section 5 - Fire-fighting measures

<b>Suitable extinguishing media</b>	Use fire extinguishing methods suitable to surrounding conditions.
<b>Unsuitable extinguishing media</b>	None.
<b>Specific hazards arising from the chemical</b>	Formation of toxic gases is possible during heating or in case of fire.
<b>Special protective equipment and precautions for firefighters</b>	Wear self-contained respiratory protective device. Wear fully protective suit.

## Section 6 - Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures.</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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

<b>Precautions for safe handling</b>	No special measures required.
<b>Conditions for safe storage, including any incompatibilities</b>	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

Component	Type	Value
Amides, coco, N-(hydroxyethyl) (CAS 68140-00-1)	WEEL	Long-term Value: 10 mg/m <sup>3</sup> (H); MW>200

#### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	STEL	6 mg/m <sup>3</sup>	FORM: Inhalable fraction.
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	TWA	2 mg/m <sup>3</sup>	FORM: Inhalable fraction
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	STEL	6 mg/m <sup>3</sup>	FORM: Inhalable fraction.
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	TWA	2 mg/m <sup>3</sup>	FORM: Inhalable fraction

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	TWA	1 mg/m <sup>3</sup>
Sodium Tetraborate Pentahydrate (CAS 12179-04-3)	TWA	1 mg/m <sup>3</sup>

**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**

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<b>Physical state</b>	Solid.
<b>Form</b>	Solid opaque block.
<b>Color</b>	Blue.
<b>Odor</b>	Floral (Giane™).
<b>Odor threshold</b>	Not available.
<b>pH</b>	9.0 - 11.0 (1% Solution)
<b>Melting point/freezing point</b>	Not determined.
<b>Initial boiling point and boiling range</b>	Undetermined.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	
<b>Flammability (solid, gas)</b>	Product does not present an explosion hazard.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not determined.
<b>Explosive limit - upper (%)</b>	Not determined.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Relative density temperature</b>	75 °F (23.9 °C)
<b>Solubilities (water)</b>	Soluble.
<b>Partition Coefficient n-octanol/water</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	Not determined.
<b>Viscosity</b>	Not applicable.
<b>Viscosity Temperature</b>	Do not store together with oxidising and acidic materials.

## Section 10 - Stability and reactivity

<b>Reactivity</b>	None.
<b>Chemical stability</b>	No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.
<b>Possibility of hazardous reactions</b>	Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidising agents.
<b>Conditions to Avoid</b>	Store away from oxidizing agents. Avoid acids. Moisture.
<b>Incompatible materials</b>	No further relevant information available.
<b>Hazardous Decomposition Products</b>	Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). Sulphur oxides (SOx).

## Section 11 - Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Eye contact</b>	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.

<b>Acute toxicity</b>	Not expected to be acutely toxic.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/ eye irritation</b>	Causes serious eye irritation.
<b>Respiratory sensitization</b>	This product is not expected to cause respiratory sensitization.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.

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**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)**

Components	Results
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	0.45
Chloroxylenol (CAS 88-04-0)	2.8
2,4,4'-trichloro-2'-hydroxydiphenyl ether (CAS 3380-34-5)	4.76
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	0.45

**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.

**TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)** Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Components	Result
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	LISTED
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)	LISTED

**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.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

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**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**

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

\*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).

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

**Revision date** 1/17/2018

**Version #** 02

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