SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier used on the label: ES230 Bio-Cleaning & Deodorizing Urinal Blocks

Other means of Identification: ES230

Recommended use of the chemical and restrictions on use: For professional use only.

Manufacturer/Supplier:
Charlotte Products Ltd.
Address:
2060 Fisher Dr.
Peterborough, ON K9J 6X6

Telephone: 705-740-2880
Fax: 705-745-1239

24 Hr. Emergency Tel. #: Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the chemical:
Acute toxicity oral 4
Skin Corrosion/Irritation 2
Eye Damage/Irritation 1
May cause an allergic skin reaction 1

Label elements:

Signal Word: Danger

Hazard statement(s)
H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause allergic reaction
H318 Causes serious eye damage

Precautionary statement(s)
P261 Avoid breathing dust/gas/mist/vapors/spray
P264 Wash exposed areas thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+310+330 IF SWALLOWED: Immediately call a Poison Center/physician. Rinse mouth
P302-352 IF ON SKIN: Wash with plenty of water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P333 + 313 If skin irritation occurs: Get medical advice/attention.
P337+313 If eye irritation persists get medical advice/attention
Hazard pictogram(s)

![Hazard pictogram(s)](image)

**Other hazards not otherwise classified:** None Known

---

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name, Common Name &amp; Synonyms:</th>
<th>CAS #</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Dodecyl Benzene Sulfonate</td>
<td>68411-30-3</td>
<td>10-30</td>
</tr>
<tr>
<td>Sulfonic Acid C 10-18 Sodium Salt</td>
<td>68037-49-0</td>
<td>5-10</td>
</tr>
<tr>
<td>Coconut amide</td>
<td>68603-42-9</td>
<td>0.5-1.5</td>
</tr>
</tbody>
</table>

**If the chemical name/CAS # is “proprietary” and/or the weight % is shown as a range, this information had been withheld as a trade secret.**

---

### SECTION 4 - FIRST-AID MEASURES

**Description of first aid measures:**

If **swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If **on skin (or hair):** Take off all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

If **inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a doctor or physician if you feel unwell.

If **in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

**Most Important symptoms and effects, both acute and delayed:** May cause eye irritation or mild skin irritation.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

---

### SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing media:**

*Suitable extinguishing media:* Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

*Unsuitable extinguishing media:* Not determined

**Special hazards arising from the substance or mixture:** None known

**Flammability classification:** Not flammable
**Hazardous combustion products:** Carbon oxides, oxides of phosphorus and other unidentified organic compounds.

**Special protective equipment and precautions for firefighters:**

*Protective equipment for fire-fighters:* Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

*Special fire-fighting procedures:* Move containers from the fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

---

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from, and upwind of spill/leak. Restrict access to the area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Methods and material for containment and cleaning up:** Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contact the proper local authorities.

**Special spill response procedures:** In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

---

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** Oxidizing agents. Do not mix with other chemicals or cleaners

---

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure controls:**

**Ventilation and engineering measures:** Not required under normal use conditions. For production facilities use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection:** Not required with normal use. If airborne concentrations are above the permissible exposure limit or irritation occurs, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.
**Skin protection:** Rubber, vinyl or latex gloves can be used to avoid skin irritation. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

**Eye protection:** If a splash is likely, chemical goggles may be used.

**Other protective equipment:** Other equipment may be required depending on workplace standards.

**General hygiene considerations:** Do not breathe vapors or spray mist. Avoid contact with eyes. Do not eat, drink or smoke when using this product. Wash exposed areas after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Blue solid

**Odor:** Spicy

**Odor threshold:** No applicable information available

**pH:** No applicable information available

**Melting/Freezing point:** Freezing Point >0°C

**Initial boiling point and boiling range:** >100°C

**Flash point:** No applicable information available

**Flashpoint (Method):** No applicable information available

**Evaporation rate (BuAe = 1):** Similar to water

**Flammability (solid, gas):** Not flammable

**Lower flammable limit (% by vol.):** Not Flammable

**Upper flammable limit (% by vol.):** Not Flammable

**Vapor pressure:** No applicable information available

**Vapor density:** No applicable information available

**Relative density:** No applicable information available

**Solubility in water:** Soluble in water

**Other solubility(ies):** No applicable information available

**Partition coefficient:** No applicable information available

**Auto ignition temperature:** No applicable information available

**Decomposition temperature:** No applicable information available

**Other physical/chemical comments:** No applicable information available

### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** None known
**Chemical stability:** Stable

**Possibility of hazardous reactions:** No hazardous polymerization

**Conditions to avoid:** Keep out of reach of children.

**Incompatible materials:** Not data available

**Hazardous decomposition products:** None known. Refer to ‘Hazardous Combustion Products’ in Section 5

---

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

**Routes of entry - inhalation:** Avoid breathing vapors or mists

**Routes of entry - skin & eye:** Avoid contact with skin or eyes

**Routes of entry - Ingestion:** Do not taste or swallow

**Potential Health Effects:**

**Signs and symptoms of short term (acute) exposure:**

*Symptoms:* Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects:** No applicable information available

**Sensitization to material:** No applicable information available

**Specific target organ effects:** No data available to indicate product or components will have specific target organ effects.

**Medical conditions aggravated by overexposure:** Pre-existing skin or eye disorders.

**Toxicological data:**

Other important toxicological hazards: None reported.

---

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecological Data:** No applicable information available

**Persistence and degradability:** No applicable information available

**Bioaccumulation potential:** No applicable information available.

**Mobility in soil:** No applicable information available.
Other Adverse Environmental effects: No known significant effects or critical hazards.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapor) and can be dangerous.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14 - TRANSPORTATION INFORMATION**

Special Shipping Information: Keep from freezing.

T.D.G. Classification: Not regulated under T.D.G.

D.O.T. Classification: Not regulated under D.O.T.

**SECTION 15 - REGULATORY INFORMATION**

Occupational Health and Safety Regulations:


Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.

RCRA 40 CFR 261 (SUBPART D) – None of these ingredients are listed.

CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.

CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.

National Pollutant Release Inventory – None of the ingredients are listed.

Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.

Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

**SECTION 16 - OTHER INFORMATION**

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

DOT: Department of Transportation

EPA: Environmental Protection Agency

IARC: International Agency for Research on Cancer

IUCLID: International Uniform Chemical Information Database

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

Prepared By: Charlotte Technical Services Group Tel: (705) 740 2880

DISCLAIMER

Information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of GHS. No warranty, expressed or implied, is made and the supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

END OF DOCUMENT