Section 1: Identification

Product Name: Spiffy Smart Tumbler Tablet (20g)
Chemical Name/Synonyms: Chemical Mixture containing Sodium Chlorite
Product Use: Deodorizer
Company: Get Spiffy, Inc.
   4506 S. Miami Blvd.
   Suite 150
   Durham, NC 27703
   (855) 221-4855

In emergency call 911.

Section 2: Hazard(s) Identification

Hazard Classification:
- Reproductive toxicity
- Respiratory sensitizer
- Target organ toxicity
- Oxidizing solids (Category 2)
- Acute Toxicity: Oral (Category 3)
- Acute Toxicity: Dermal (Category 2)
- Acute Toxicity: (inhalation: dust, mist) (Category 2)
- Corrosion: Causes severe skin burns and eye damage (Category 1B)
- Eye damage: Serious eye damage/eye irritation (Category 1)
- Aquatic toxicity (Category 1)

Signal Word(s): Danger

Hazard Statements:
- H272: May intensify fire; oxidizer
- H302: Harmful if swallowed
- H311: Toxic in contact with skin
- H314: Causes severe skin burns and eye damage
- H318: Causes serious eye damage
- H331: Toxic if inhaled
- H373: May cause damage to organs through prolonged or repeated exposure
- H401: Toxic to aquatic life.
Pictograms:

Precautionary Statements: Product releases chlorine gas when dissolved in water. Always use with a Spiffy Smart Tumbler device according to all instructions to limit exposure. Do not enter vehicle during treatment. Do not inhale chlorine dioxide gas. Use tablet according to instructions immediately after opening package. Avoid breathing dust. Do not use indoors.

Section 3: Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonym</th>
<th>CAS#</th>
<th>Conc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>NaCl</td>
<td></td>
<td>63%</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>Na₂CO₃</td>
<td></td>
<td>21%</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>HOC(CH₂CO₂H)₂</td>
<td></td>
<td>8%</td>
</tr>
<tr>
<td>Magnesium Sulfate</td>
<td>MgSO₄</td>
<td></td>
<td>8%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

After skin contact: Immediately wash skin with soap and large amounts of water. Remove any contaminated clothing, washing before reuse. Contact symptoms include irritation, redness, itching. Seek medical attention if irritation persists.

After eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

After inhalation: Evacuate to fresh air as soon as possible. Loosen tight clothing such as a collar, belt, or waistband. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Inhalation symptoms include coughing, sore throat, and runny nose. Seek medical attention if irritation persists.

**After swallowing:** Get medical attention or poison control. Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water. Symptoms include sore throat, nausea, vomiting, diarrhea.

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**Section 5: Fire-Fighting Measures**

**Suitable extinguishing agents:** Water in large amounts, water spray. NO carbon dioxide spray.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus PI sure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

**Advice for firefighters:** Not combustible but enhances combustion of other substances. Gives off irritating or toxic fumes (or gases) in a fire. Risk of fire and explosion on contact with reducing agents and organic matter. This material in sufficient quantity and reduced particle size can create a dust explosion. Keep product and empty container away from heat and sources of ignition. This chemical has strong oxidizing soluble in water.

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**Section 6: Accidental Release Measures**

**Personal precautions:** Wear PPE when cleaning up spilled tablet or dissolved solution.

**Measures for environmental protection:** Take precautions to ensure product does not contaminate the storm water system, surface water, sanitary sewer, or ground water system. Do not discharge near aquatic, plant or animal habitats.

**Measures for cleaning/collecting:** If in solid form, scoop up or vacuum into container for disposal. Avoid inhaling dust. If dissolved solution is spilled, absorb as much as possible, dilute chlorine dioxide solutions (100-200ppm) do not need to be pH neutralized. Flush residual material down drain with large amounts of water, in accordance with local policies.

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**Section 7: Handling and Storage**

**Handling:** Keep in a tightly closed container in original packaging. Do not attempt to reuse tablets or divide into partial usages. Avoid contact with eyes, skin, and clothing. Do not crush or generate dust, do not breathe dust. Wash hands thoroughly after handling.

**Storage:** Keep away from heat, sparks, and flame. Store in a cool, dry, place in original packaging away from incompatible substances. Separate from combustible and reducing substances, acids, and other incompatible materials. Corrosive materials should be stored in a separate safety storage cabinet or room. Avoid storage in high humidity environments. Keep out of the reach of children.
### Section 8: Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>OSHA PEL (ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine Dioxide Gas (CAS #10049-04-4)</td>
<td>0.1ppm</td>
<td>0.1ppm</td>
<td>0.1ppm</td>
<td>0.3ppm</td>
</tr>
</tbody>
</table>

**General protective and hygienic measures:** Use only outdoors in well-ventilated environments, avoid intense sunlight and heat; chlorine dioxide decomposes with sun exposure. Always use room temperature water.

**Breathing equipment:** When used as directed with a Smart Tumbler device, following all safety precautions, no equipment is required. Use approved respiratory protection if exposure limits are exceeded.

**Protection of hands:** When used as directed with a Smart Tumbler device, following all safety precautions, no equipment is required. If there is possibility of contact with liquid, use appropriate PVC gloves.

**Eye protection:** When used as directed with a Smart Tumbler device, following all safety precautions, no equipment is required. If there is possibility of contact with liquid, use protective glasses.

### Section 9: Physical and Chemical Properties

**Form:** White Solid Tablet  
**Odor:** Slight chlorine odor  
**Odor threshold:** light  
**pH:** Not Available  
**Solubility in/Miscibility with water:** Strong, reacts with water to produce yellow solution

### Section 10: Stability and Reactivity

**Reactivity:** Not available  
**Chemical stability:** Stable under normal conditions  
**Conditions to avoid:** Exposure to light, heat  
**Incompatible materials:** Combustible materials, Strong reducing agents, Strong oxidizing agents, Potassium nitrate, Zinc, Ammonia, Bleach, Sulphur compounds, Organic materials.  
**Hazardous decomposition products:** After exposure to water, releases chlorine dioxide gas

### Section 11: Toxicological Information

**Acute toxicity:**  
- LD50: 1432mg/Kg mice by mouth (solid 8%) 5000 mg / Kg in mice by mouth (liquid 2%)  
- LC50: 5000 mg / Kg in mice by mouth (8% soluble solids 5 times) 10000 mg /Kg in mice by mouth (liquid 2%)
**Sub-acute and chronic toxicity:** mouse bone marrow cells, micronucleus test was negative (75 mg / Kg, 300 mg / Kg, 750 mg / Kg)

**Irritation:** This product is irritating. 2%, 8% 5-fold solution to the rabbits through the skin without stimulation; 2%, 8% 5-fold solution

**Acute eye irritation:** non-irritating

**Mutagenicity:** not found

**Teratogenicity:** not found

**Carcinogenicity:** not found

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**Section 12: Ecological Information**

**Ecotoxicity:** Not regarded as dangerous for the environment. Do not release into surface waters.

**Mobility:** Not available

**Biodegradation:** Not available

**Bioaccumulation:** Not available

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**Section 13: Disposal Considerations**

**Waste Treatment methods:** Dispose of waste material in accordance with all local, regional, national, and international regulations. Large volumes should be taken to an authorized chemical disposal site/landfill in accordance with local and national regulations. Used product may have different hazards or properties than the original product.

**Sewage Disposal Recommendations:** Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way. Avoid release to the environment.

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**Section 14: Transport Information**

**DOT regulations:** UN2813, Packing Group II, 4.3 Dangerous when wet

- **Hazard class:** 8
- **Land transport ADR/RID (cross-border):** 8
- **ADR/RID class:** 8
- **Maritime transport IMDG:** 8

**Air transport ICAO-TI and IATA-DGR:** UN2813

**Applicable packaging section:** 49 CFR 173.4 (small quantity, maximum amount of sodium chlorite per individual receptacle is 30 grams)

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**Section 15: Regulatory Information**

**US Federal Regulations**

**SARA Section 313 (specific toxic chemical listings):** Acute Health Hazard, Fire Hazard, Reactive Hazard

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):** Not Applicable
**TSCA (Toxic Substances Control Act):** The chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**Section 16: Other Information**

**SDS date of preparation/update:** Updated June 21st, 2022