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Spiffy Smart Tumbler Tablet (20g) Safety Data Sheet

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

Chemical Name	Synonym	CAS#	Conc.
Sodium Chloride	NaCl		63%
Sodium Carbonate	Na ₂ CO ₃		21%
Citric Acid	HOC(CH ₂ CO ₂ H) ₂		8%
Magnesium Sulfate	MgSO ₄		8%

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.

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 full face-piece, 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.

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.

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

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Chlorine Dioxide Gas (CAS #10049-04-4)	0.1ppm	0.1ppm	0.1ppm	0.3ppm

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

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

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.

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)

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