CURRENT TECHNOLOGIES, INC.
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Date: April 10, 2015

SAFETY DATA SHEET

Section 1. Identification

Product name:	**Bleach-Rite® Disinfecting Spray with Bleach**
Product Numbers:	BRSPRAY16, BRSPRAY32, BRSPRAY64, BRSPRAY128
EPA Registration #:	70590-2
Product description / recommended use:	Bleach solution for cleaning / disinfection in bottles (with / without sprayers).
Manufacturer:	Current Technologies, Inc. P.O. Box 21 439 N 525 E Crawfordsville, IN 47933
Phone:	765-364-0490
Emergency Phone:	Contact your Regional Poison Control Center or doctor

Section 2. Hazard Identification

Classification:	This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Signal Word / Precautions:	Caution; Keep out of reach of children.
Precautionary Statement:	Physical and Chemical Hazards: Do not use this product with ammonia, acids (such as vinegar), rust removers, toilet bowl cleaners, or heavy metals such as copper or iron. Will corrode aluminum. For stainless steel, follow equipment manufacturers' directions; those may direct surface to be rinsed after disinfection.

Section 3. Composition / Information on ingredients

Chemical Name:	Sodium hypochlorite
Common Name/ Synonym:	Bleach spray, 1:10 dilution of bleach
CAS#:	7681-52-9
% (by weight):	< .94% (.0094 sodium hypochlorite by weight)
Note:	All ingredients in this product, at their stated concentrations, are non-hazardous as defined in the OSHA hazard communication standard 29 CFR 1910.1200.

Section 4. First-Aid Measures

Eyes: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Skin: Promptly rinse skin with water. If irritated, call a poison control center or doctor for treatment advice.

Ingestion: If swallowed, immediately call a poison control center or doctor for treatment advice. Have person drink a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: If inhaled, move person to fresh air. If person is not breathing call 911. Call a poison control center or doctor for further treatment advice.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures appropriate for the situation and environment.

Unsuitable Extinguishing Media: Water spray may not be sufficient when fighting fire.

Specific Hazards arising from the Chemical: Hazardous Combustion Products: Oxides of carbon.

Specific Protective Equipment & Precautions for Fire-Fighters: Wear self-contained breathing apparatus that is MSHA/NIOSH approved or equivalent, and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Avoid contact with eyes. If using this product to clean / disinfect a potential bio-contaminated surface, use Universal Precautions and gloves.

Other information: Product may cause damage to fabric/clothing (bleaching), remove cap from bottle carefully. Refer to protective measures in Sections 7 and 8.

Methods and material for containment and cleaning up:

Methods for Containment: If bottle is leaking, place in a bag or container that is impermeable to liquids (e.g., plastic bag or garbage bag).

Methods for Cleaning Up: If surface is bio-contaminated, use Universal Precautions for handling (e.g., use gloves). Wipe up the spilled liquid with a paper towel or wiper; place bottle and paper towel / wiper in container for contaminated waste. Rinse surface with water.

Section 7. Handling and Storage

Precautions for safe handling: Use good industrial hygiene / safety practices when handling; if using this product to clean / disinfect a bio-contaminated surface, then follow Universal Precautions. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Keep caps / sprayers on this product tightly closed. Expiration Date is listed on back panel of every bottle and on outside of each case; do not use this product beyond the expiration date.

Conditions for safe storage: Store in a well-ventilated place at room temperature (68-77°F); do not expose to excessive heat, direct sunlight, or UV light or else sodium hypochlorite (bleach) efficacy may deteriorate. Keep caps / sprayers tightly closed.

Incompatible Products: Do not mix with ammonia, acids (such as vinegar), rust removers, toilet bowl cleaners. Do not use on heavy metals such as copper and iron; will corrode aluminum. For stainless steel, follow equipment manufacturers' directions; those may direct surface to be rinsed after disinfection.

Section 8. Exposure Controls / Personal Protection

Control Parameters:

Exposure Guidelines: Ingredients in this product with occupational exposure limits are not at concentrations in excess of permissible exposure limits.

Appropriate engineering controls:

Engineering Measures: Showers, eyewash stations, ventilation systems should be at usage site.

Individual protection measures, such as personal protective equipment:

Eye / Face Protection: No special protective equipment required.

Skin and Body Protection: Gloves are recommended, particularly when using this product repeatedly or when product is used for cleaning / disinfection of potentially bio-contaminated surfaces.

Respiratory Protection: No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and leaving the area may be required.

Hygiene Measures: Use good industrial hygiene and safety practices; if using to clean / disinfect a bio-contaminated surface, then follow Universal Precautions.

Section 9. Physical and Chemical Properties

Appearance:	White plastic bottle bottle filled with clear, colorless liquid.
pH:	12 – 12.5 (liquid)
Odor:	Mild bleach odor
Odor Threshold:	No Data Available
Specific gravity:	~ 1.0
Evaporation Rate:	N/A
Solubility in Water:	Completely miscible
Flammability (solid, gas):	No Data Available
Flammable Limits:	LFL: N/A ; UFL: N/A
Decomposition Temperature:	Decomposes as heated
Fire & Explosion Hazard:	Not flammable
Flash Point:	N/A
Physical State:	Plastic bottle filled with liquid.
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Melting / Freezing Point:	No Data Available
Boiling Point / Boiling Range:	No Data Available
Relative Density:	No Data Available
Auto-Ignition Temperature:	No Data Available
Viscosity:	No Data Available
Partition Coefficeient: n-octanol/water:	No Data Available

Section 10. Stability and Reactivity

Reactivity:	Sodium hypochlorite reacts with ammonia, acids (such as vinegar), rust removers, toilet bowl cleaners to produce hazardous gases such as chlorine and other chlorinated components. Do not use with heavy metals such as copper or iron as sodium hypochlorite may degrade / lose efficacy. Will corrode aluminum. For stainless steel, follow equipment manufacturers' directions; those may direct surface to be rinsed after disinfection.
Chemical Stability:	Stable when handling and storage recommendations followed; efficacious through expiration date. (See Section 7).
Possibility of Hazardous Reactions:	None if directions for use, storage and handling are followed (see Section 7).
Conditions to Avoid (e.g., static discharge, shock, or vibration):	Avoid exposure to sunlight, UV light, heat. Do not mix with products listed below as incompatible, or use on incompatible surfaces listed below.
Incompatible Materials:	Acids, ammonium compounds, organics, other oxidizers are incompatible; if product mixed with these incompatible materials, chlorine gas and other chlorinated components may be produced; will corrode aluminum. Do not use product on heavy metals such as iron or copper. For stainless steel, follow equipment manufacturers' directions; those may direct surface to be rinsed after disinfection.
Hazardous Decomposition Products:	None known.

Section 11. Toxicological Information

Information on the likely route of exposure:

Inhalation: Adverse effects unlikely; some individuals may have slight irritation to mild bleach odor.

Ingestion (oral): Ingestion of liquid may cause slight gastrointestinal irritation.

Skin: Very slight irritant; assigned to U.S. EPA Toxicity Category IV (lowest level).

Eye Contact: Slight irritation (redness); resolved within 24 hours in test animals.

Symptoms related to the physical and chemical characteristics:

Symptoms: - If ingested orally, slight gastrointestinal irritation.
- If in eyes, slight redness.

Delayed, immediate and chronic effects from short- and long-term exposure:

Sensitization: No data available.

Carcinogenicity: Sodium hypochlorite (CAS# 7681-52-9) categorized by the following organizations:
ACGIH – not classified as a carcinogen.
IARC – Group 3; not classified as a carcinogen in humans.
NTP – not classified as a carcinogen.
OSHA – not classified as a carcinogen.

Numerical measures of toxicity:

Inhalation: Acute inhalation: $LC_{50} > 2.23$ mg/L (rat)

Ingestion (oral): Acute Oral: $LD_{50} > 5050$ mg/kg (rat)

Skin: Acute Dermal: $LD_{50} > 5050$ mg/kg (rabbit)

Reproductive: No data available.

STOT (Specific Target Organ Systemic Toxicity):

Single exposure: No data available.
Chronic exposure: No data available.
Repeated exposure: No data available.

Section 12. Ecological Information

Ecotoxicity: Does not contain mercury; (below detectable limits).

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13. Disposal Considerations

Safe handling / methods of disposal: Product or rinsates that are to be discarded must be diluted with water before disposal in a sanitary sewer. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill. Follow all applicable federal, state and local regulations for disposal.

Disposal of contaminated packaging: Do not reuse this container when empty. Dispose of in accordance with federal / state / local regulations.

Section 14. Transport Information

U.S. DOT (Department of Transportation):	Not regulated.
IATA (International Air Transport Association):	Not regulated
TDG (Transportation of Dangerous Goods):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated
IATA (International Air Transport Association):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IMO (International Maritime Organization):	Not regulated
UN Number:	N/A
UN proper shipping name:	N/A
Transport Hazard Class(es):	N/A
Packing group:	DOT HAZARD CLASS I Pack Group: Not regulated
Environmental hazards:	N/A
Transport in bulk:	N/A
Hazard symbols:	None
Special precautions:	N/A
Reference:	49 CFR 172, 49 CFR 173

Note: Information in this section is for reference only. See 49 CFR 172 and 49 CFR 173.

Section 15. Regulatory Information

U.S. Federal Regulations:

TSCA (U.S. Toxic Substances Control Act): Ingredients of this product are on the TCSA 8(b) Inventory or otherwise exempt.

SARA TITLE III, Section 311/312/313 Superfund Amendments and Reauthorization Act of 1986:
This product does not contain any chemicals which are subject to SARA Title 40 of the Code of Federal Regulations, Part 372.

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

CWA (Clean Water Act):
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name:	sodium hypochlorite (CAS# 7681-52-9)
CWA – Reportable Quantities:	100 lb
CWA – Toxic Pollutants:	N/A
CWA – Priority Pollutants:	N/A
CWA – Hazardous Substances:	X

CERCLA (USA – Comprehensive Response Compensation and Liability Act):
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name:	sodium hypochlorite (CAS# 7681-52-9)
Hazardous Substances RQs:	100 lb
Extremely Hazardous Substances RQs:	N/A
RQ (Reportable Quantity):	100 lb final RQ; 45.4 kg final RQ

EPA:
This product is regulated as a pesticide by the U.S. EPA Antimicrobials Division. In accordance with EPA directives, the product label states: 'Caution: Keep out of reach of children. Read and follow directions and precautions on back panel.'

U.S. State Regulations:

California Propostion 65: Product does not contain any Proposition 65 chemicals.

Massachusetts: Product does not contain mercury; (below detectable limits).

Section 16. Other Information

NFPA Hazard ratings	Health:	1	0 = none
	Flammability:	0	1 = slight/little
	Reactivity:	0	2 = moderate
	Special hazards:	OX – Oxidizer	3 = high/serious
			4 = extreme
HMIS Hazard ratings	Health:	1	0 = insignificant
	Flammability:	0	1 = slight
	Physical hazard:	0	2 = moderate
	Personal protection:	P (gloves)	3 = high
			4 = extreme

Preparation / Revision Date: April 10, 2015

General Disclaimer:
This Safety Data Sheet (SDS) is prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information in this SDS is correct to the best of our knowledge and information as of the preparation / revision date. The information in this SDS is to be used only as guidance for the safe use, handling, storage, transportation, and disposal of this product. This SDS is not a warranty or a quality specification, and Current Technologies makes no representations as to its accuracy or sufficiency. Conditions of use for this product are beyond the control of Current Technologies and therefore users are responsible for determining whether the product is suitable for their particular purposes. Users of this product assume all risks of use, handling, storage and disposal. The information in this SDS relates only to the product designated herein, and may not be accurate or relate to its use in combination with other materials or any other processes.

End of Safety Data Sheet