



Safety Data Sheet (SDS)

SECTION 1: IDENTIFICATION

- **Product Identifier:** CAPS Household Bleach
- **Recommended Use:** Household disinfectant and laundry bleach
- **Restrictions on Use:** Not for use in food processing or medical applications
- **Manufacturer/Supplier:** Caribbean Aerosol and Packaging Solutions
- **Address:** 45 Taylor Street, Marabella, Trinidad and Tobago
- **Phone Number:** 1-868-265-7061
- **Email:** capsclancaribbean@gmail.com

SECTION 2: HAZARD(S) IDENTIFICATION

Classification (GHS-US):

- Skin Corrosion/Irritation: Category 1
- Serious Eye Damage/Eye Irritation: Category 1
- Specific Target Organ Toxicity (Single Exposure): Category 3, Respiratory

GHS Label Elements:

Signal Word: DANGER

Hazard Statements: H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation

Precautionary Statements: **Prevention:** P260: Do not breathe mist/vapors/spray P264: Wash hands thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection **Response:** P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310: Immediately call a POISON CENTER/doctor **Storage:** P405: Store locked up **Disposal:** P501: Dispose of contents/container per local regulations

NFPA Rating:

Health	Flammability	Reactivity	Special
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HMIS Rating: Health: 3 | Flammability: 0 | Reactivity: 0 | PPE: B

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	GHS Classification
Sodium Hypochlorite	7681-52-9	5.25	Skin Corr. 1 (H314), Eye Damage 1 (H318), STOT SE 3 (H335)
Water	7732-18-5	94.75	Not Hazardous

No other hazardous ingredients present above 1%.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures:

- **General:** Seek medical attention if symptoms persist.
- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Call a doctor.
- **Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower for 15 minutes. Call a doctor.
- **Eye Contact:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present. Continue rinsing. Immediately call a POISON CENTER/doctor.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Give milk or water to drink. Immediately call a POISON CENTER/doctor.

Most Important Symptoms and Effects: Severe burns to skin/eyes, respiratory irritation, coughing, nausea.

Indication of Immediate Medical Attention: Immediate medical attention required for all exposure routes.

Notes to Physician: Treat symptomatically. Do not induce vomiting due to aspiration risk.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

- Suitable: Water spray, foam, CO₂, dry chemical.
- Unsuitable: None known.

Specific Hazards Arising from the Chemical: Decomposes above 100°C releasing chlorine gas.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus and full protective gear. Cool containers with water spray.

Firefighting Instructions: Prevent runoff from entering drains.

Flash Point: Not applicable (Non-flammable)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate area. Wear PPE (gloves, goggles, respirator). Ventilate.

Environmental Precautions: Prevent entry into waterways.

Methods for Containment: Dike with absorbent material.

Methods for Cleanup: Neutralize with sodium bisulfite solution (1%). Absorb with inert material (sand/vermiculite). Collect in containers for disposal. Ventilate area.

Reference to Other Sections: See Section 7 for safe handling; Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Use in well-ventilated area. Avoid contact with skin/eyes. Do not mix with acids, ammonia, or other cleaners. Wash hands after use.

Conditions for Safe Storage: Store in cool, ventilated area (<77°F/25°C). Keep away from acids, ammonia, metals. Keep container tightly closed. Store locked up.

Incompatible Materials: Acids, ammonia, reducing agents, metals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hypochlorite	TWA: 0.5 ppm (Cl ₂ equiv.)	TWA: 0.5 ppm	10 ppm

Engineering Controls: Local exhaust ventilation. Eyewash station and safety shower required.

Personal Protective Equipment (PPE):

- **Eyes:** Chemical splash goggles.
 - **Skin:** Rubber gloves, apron.
 - **Respiratory:** NIOSH-approved respirator if TLV exceeded.
 - **Hygiene:** Wash hands before breaks/eating.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear yellow liquid
Odor	Chlorine
pH	11-13
Melting/Freezing Point	0°C
Boiling Point	100°C
Flash Point	None
Evaporation Rate	1 (Water = 1)
Flammability	Non-flammable
Specific Gravity	1.08
Solubility in Water	Complete
Vapor Pressure @ 20°C	17.5 mmHg
VOC Content	0%

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Reacts violently with acids/ammonia releasing toxic chlorine gas.

Conditions to Avoid: Heat >100°C, mixing with incompatibles.

Incompatible Materials: Acids, ammonia, metals, reducing agents.

Hazardous Decomposition Products: Chlorine gas, sodium chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral LD50 (Rat): 8,940 mg/kg (NaOCl)
- Dermal LD50 (Rabbit): >20,000 mg/kg
- Inhalation LC50 (Rat): 21 ppm/1h (Cl₂ equiv.)

Symptoms:

- Skin/Eye: Severe burns, pain, blindness.
- Inhalation: Coughing, pulmonary edema.
- Ingestion: Burns to mouth/throat, abdominal pain.

Chronic Effects: Respiratory sensitization possible with repeated exposure.

Carcinogenicity: Not listed by IARC/NTP/OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

- LC50 (Fish, 96h): 0.057 mg/L (NaOCl)
- EC50 (Algae, 72h): 0.11 mg/L

Persistence/Degradability: Biodegradable.

Bioaccumulative Potential: Low (Log Kow <1).

Mobility in Soil: High.

Other Adverse Effects: Harmful to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dilute with water (1:10) and flush to sewer per local regulations. Do not contaminate water sources.

Contaminated Packaging: Triple rinse; recycle if permitted.

EPA Waste Number: Not regulated (D002 if corrosive).

SECTION 14: TRANSPORT INFORMATION

Mode	UN Number	Proper Shipping Name	Hazard Class	Packing Group
DOT	UN 1791	Hypochlorite Solution	8	III
IMDG	UN 1791	Hypochlorite Solution	8	III
IATA	UN 1791	Hypochlorite Solution	8	III

Environmental Hazards: Marine Pollutant (Yes).

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

- SARA 313: Not reportable.
- CERCLA RQ: 100 lbs (NaOCl).
- TSCA: All components listed.

State Regulations:

- California Prop 65: Not listed.

International Regulations:

- WHMIS (Canada): D2B, E.
 - EU REACH: Registered.
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SECTION 16: OTHER INFORMATION

Revision Date: October 18, 2025

NFPA/HMIS Legend: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

Disclaimer: This SDS complies with OSHA 29 CFR 1910.1200 and GHS. Information is based on standard household bleach properties. The information provided is based on current knowledge and is intended as guidance only. The user must determine suitability for specific applications.