



ENFORCER Products
 A Division of Acuity Specialty Products Group,
 Inc.
 P.O. Box 1060
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 1-888-805-HELP

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Commercial Indoor/Outdoor Bleach

Product Code CNOB128

Date of issue 04/30/04 **Supersedes**

Emergency Telephone Numbers For MSDS Information:
Compliance Services (404) 352-1680

For a Medical Emergency:
INFOTRAC
(877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM HYPOCHLORITE; hypochlorous acid, sodium salt; bleach	7681-52-9	1-5	ACGIH TLV (United States). TWA: 0.5 ppm 8 hour(s). Form: As Cl ₂ STEL: 1 ppm 15 minute(s). Form: As Cl ₂ OSHA PEL 1989 (United States). TWA: 1 ppm 8 hour(s). Form: As Cl ₂ STEL: 3 ppm 15 minute(s). Form: As Cl ₂

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.
Skin Hazardous in case of skin contact (irritant). Direct contact may cause irritation and redness.
Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation Hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.
Ingestion Do not ingest. Ingestion may cause gastrointestinal irritation and diarrhea.

Carcinogenic Effects Not listed as carcinogen by OSHA, NTP or IARC.
Chronic Effects Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

See Toxicological Information (section 11)

HMIS

Health	2
Fire Hazard	0
Reactivity	1
Personal Protection	C

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Non-flammable.		
Fire Hazard	May release dangerous gases (chlorine).		
Fire-Fighting Procedures	Use an extinguishing agent suitable for surrounding fires. Wear special protective clothing and positive pressure, self-contained breathing apparatus. Do not release runoff from fire to sewers or waterways.		

**Section 6. Accidental Release Measures**

Spill Clean up	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Do not use with other products. Do not reuse container.
Storage	Keep container tightly closed. Store in a cool dry place away from incompatible materials. Store above 32°F and below 120°F. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes	Splash goggles.
Body	Rubber gloves. Additional body garments should be used based upon the task being performed to avoid exposed skin surfaces.
Respirator:	Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Clear. Colorless to light yellow.
pH	12.6 - 12.8	Odor	Bleach-like Odor
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.067 (Water = 1)	Vapor Density	Not determined.
Solubility	Easily soluble in cold water, hot water.	Evaporation Rate	1 compared to Water
		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive with reducing agents, acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon Dioxide Carbon Monoxide Chlorine. Hydrogen Chloride (HCl)

Section 11. Toxicological Information

Toxicity to Animals	Sodium Hypochlorite:
	ORAL (LD50): Acute: 8910 mg/kg [Rat].
	DERMAL (LD50): Acute: >10000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OE	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	EPA Waste code - D002
Consult your local or regional authorities.	

Section 14. Transport Information

Proper shipping name	Hypochlorite Solutions or Consumer Commodity in Limited Quantity
DOT Classification	8
UN number	UN 1791
TDG Classification	8

Section 15. Regulatory Information**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: Sodium Hypochlorite

Clean air act (CAA) 112 regulated toxic substances: No products were found.

State Regulations

California prop. 65: No products were found.

WHMIS (Canada)

Not controlled under WHMIS (Canada).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.