

Section 1 - Identification

Product Name: **Bleach Concentrate** Liquid sodium hypochlorite. Revised: 5/14/15

Damon Industries, Inc. 12435 Rockhill Ave NE Alliance, Ohio 44601 U.S.A.	1-800-362-9850 1-330-821-5310 1-330-821-6355 Fax info@DamonQ.com	24 HOUR EMERGENCY RESPONSE 1-800-535-5053 (U.S. & Canada) 001-352-323-3500 (International)
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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1; Corrosive to metals 1

Hazard statements: Causes severe skin burns and serious eye damage.
 May be corrosive to metals.

Signal word: Danger
 Pictogram: Corrosion



Precautionary statements
Prevention

Keep only in original container. Do not breath dusts or mists.
 Wash hands thoroughly after handling.
 Wear protective gloves such as latex. Wear eye protection such as safety glasses with side shields.

Response

Absorb spillage to prevent material damage.
IF SWALLOWED: Rinse mouth. Do not induce vomiting
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing before reuse. Rinse skin with water.
 Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Storage: Store in corrosive resistant container with a resistant inner liner. Store locked up.
Disposal: Dispose of contents in accordance with local, regional, national and international regulations.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	87.5%
Sodium hypochlorite	7782-50-5	12.5%

Section 4 - First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.

Skin Contact: With concentrate immediately flush exposed skin with running water for 15 minutes. Remove contaminated clothing and shoes immediately. With dilutions remove contaminated clothing and wash exposed skin with soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse. If spilled concentrate is allowed to remain on clothing or in shoes, damage to skin could occur over a period of time.

Inhalation: Move the affected person to fresh air. If the person is unconscious or irritation persists get medical attention.

Ingestion: If the affected person is conscious, give a glass of water or milk to drink. Induce vomiting by sticking a finger down victim's throat. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Any **Special Fire Fighting Procedures:** None.
Unusual Fire And Explosion Hazards: Reacts with many substances causing heat, fire or explosions.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Very small spills may be cleaned up with a rag or mop. Larger spills should be diked to prevent spreading and then collected into clean pails or drums. Wear proper protective equipment and keep people out of the area.

Section 7 - Handling and Storage

Do not store at temperatures over 85° F. or below 32° F. Do not store near heat, acids, oxidizers or organics. Store in vented containers or loosen container closure occasionally to vent pressure, more often in warm weather. Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

Do not mix with other cleaners, especially those containing ammonia or acids, because this could produce a dangerous gas (chlorine). If gas is accidentally produced in a toilet, immediately flush the toilet. If gas is accidentally produced in a bucket, immediately put the mixture down a drain with lots of running water if this is safely possible. A bucket could be carried outdoors. Immediately open windows if possible, and if gas is irritating to eyes or lungs, leave the immediate area of the accident. The smell of chlorine is not itself hazardous. If the smell is strong enough to cause any symptoms of irritation or nausea it is hazardous. Avoid prolonged breathing of even slight amounts of gas. In many cases evacuation of the building is NOT necessary unless a large quantity of gas was produced. However, any area where irritation occurs to occupants should be evacuated. Re-enter areas only when gas has dissipated or with proper protective equipment. If adequate ventilation is not available to dissipate the gas or more than a small amount of chemical was mixed call 911. Assistance is available through our 24 hour emergency 800 number. This paragraph is provided for your information only. Your facility should decide upon the appropriate emergency action plan for accidental release of chlorine as a part of your OSHA emergency preparedness plan. Contact Damon Industries if more information is needed.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sodium hypochlorite (Chlorine gas vapors)	7782-50-5	12.5%	0.5 ppm(3,4)	1 ppm(3,4)	1 ppm(1), 0.5 ppm(2)

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: Good room ventilation. Mechanical ventilation may be required in some cases.

Respiratory Protection: None when used as directed in a laundry. If the exposure limits will be exceeded or use causes irritation, wear a NIOSH approved respirator with a cartridge effective for chlorine. Use in enclosed, poorly ventilated spaces requires a respirator and may require self-contained breathing apparatus.

Gloves: Use rubber or latex gloves when mixing or using. Do not use disposable latex gloves with concentrate.

Eye Protection: Wear safety glasses with side shields or goggles.

Other Protective Equipment: An eyewash station should be located within 10 seconds travel time of concentrate use/mixing area. Wear a rubber or plastic apron when pouring or mixing to protect clothing from splattering.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A light yellow to green clear liquid with chlorine odor.	
Odor Threshold: Not Available	Vapor Pressure: Not Available
pH: concentrate 12.0 ± 0.5	Vapor Density: > 1 (Air = 1)
Melting Point: Not Available	Relative Density (Specific Gravity): 1.2
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 222° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: None. (ASTM D-56 closed cup)	Decomposition Temperature: Not Available
Evaporation Rate: ~1 (Water = 1)	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 85%
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Contact with acids will release toxic chlorine gas. Avoid contact with ammonia, oxidizing agents and organic compounds..

Hazardous Decomposition Products: Chlorine, hydrogen chloride and hypochlorous acid vapors.

Section 11 - Toxicological Information

Target Organs: None.

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - concentrate and strong solutions cause eye damage. Milder solutions cause irritation and redness. Vapors may cause eye irritation.

Skin - prolonged contact with concentrate and strong solutions can cause skin damage and loss. There is little or no effect if rinsed off thoroughly right away. Milder solutions cause irritation only.

Swallowing - results in severe damage to mucous membranes, possible convulsion, coma and death.

Breathing - excessive inhalation of vapors can cause coughing and irritation of nose and throat. If chlorine gas is created it can result in severe irritation and death.

Section 12 - Ecological Information

Do not dispose of unusable product in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 1 quart of concentrate in the sanitary sewer with a large amount of water. Larger amounts must be disposed of in an approved landfill. Obey all local, state and federal regulations.

Section 14 - Transport Information

D.O.T. Hazard Class: Hypochlorite solutions, 8, UN1791, P.G. II

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:2 F:0 I:1 **HMIS® III:** H:3 F:0 P:2 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 4/28/15. Revised **IF IN EYES** statement.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.