

BHS MARKETING

1717 E Fargo
Nampa, ID 83687
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MATERIAL SAFETY DATA SHEET

SECTION 1. GENERAL INFORMATION

PRODUCT NAME:	Sterileclean	FORMULA:	NaOCl Solution
CHEMICAL NAME:	Sodium Hypochlorite Solution	MOLECULAR WEIGHT:	74.44
CHEMICAL FAMILY:	Hypochlorite		
DOT SHIPPING INFORMATION:	Hypochlorite Solution, 8, UN 1791, PG III		

SECTION 2. HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by BHS Marketing to be hazardous unless listed below.

<u>HAZARDOUS MATERIAL</u>	<u>CAS NUMBER</u>	<u>w/w %</u>	<u>EXPOSURE LIMITS IN AIR</u>
Sodium Hypochlorite	7681-52-9	11-15	None Determined

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION 3. HEALTH HAZARD DATA

NFPA HAZARDOUS RATING: Health = 3 Flammability = 0 Reactivity = 1

CARCINOGENIC LISTING:

NTP: No ingredients listed in this section

LARC

MONOGRAPHS: No ingredients listed in this section

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

CONTACT: Corrosive. May cause severe skin & eye irritation or chemical burns to broken skin.
Causes eye damage.

INHALATION: Can be irritating to lungs & mucous membranes.

INGESTION: Can cause nausea, irritation & possibly burns to the gastrointestinal tract.

STATEMENT OF PRACTICAL TREATMENT:

CONTACT: Flush exposed area thoroughly with water. For eyes, flush with cool water for at least 15 minutes & get prompt medical attention.

INHALATION: Remove person to fresh air.

INGESTION: If swallowed, drink large quantities of water. **DO NOT** induce vomiting. **DO NOT** give vinegar or other acids. Get prompt medical attention.

SECTION 4. FIRE & EXPLOSION DATA

FLASH POINT: Non-flammable

FLAMMABLE LIMITS: Lel: N/A Uel: N/A

EXTINGUISHING MEDIA: Use any

SPECIAL FIRE-FIGHTING PROCEDURES: Self-contained breathing apparatus should be available.

UNUSUAL FIRE & EXPLOSION HAZARDS: Under some conditions, Sterileclean could release chlorine gas and/or oxygen.

SECTION 5. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None normally required

VENTILATION: Use adequate ventilation

EYE PROTECTION: Safety glasses or chemical goggles

SKIN PROTECTION: Wear rubber gloves.

OTHER PROTECTIVE EQUIPMENT: As needed to avoid contact with skin & eyes.

SECTION 6. SPECIAL PRECAUTIONS

HANDLING & STORAGE PRECAUTIONS: Wash hands thoroughly after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. **DO NOT** return until strong odors have dissipated. **DO NOT** take internally. Open drums carefully.

SECTION 7. PHYSICAL DATA

BOILING POINT:	Approx. 212	SPECIFIC GRAVITY:	1.2
VAPOR PRESSURE(mmHg):	Essentially water	% VOLATILE, BY VOLUME:	Unknown
VAPOR DENSITY(air = 1):	Essentially water	EVAPORATION RATE:	Unknown
SOLUBILITY IN WATER:	Complete		
APPEARANCE & ODOR:	Clear, greenish-yellow liquid with a chlorine odor		

SECTION 8. REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, oxygen

SECTION 9. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Ventilate the area. Wear necessary safety equipment. Flush small spills to the sewer with large amounts of water. For large spills, dike the liquid & recover it into drums. Flush the residue to the sewer with water. (Flush residue water to sewer ONLY if permitted by local laws.)

WASTE DISPOSAL METHOD:

Waste Sodium Hypochlorite Solution (with a ph > 12.5) is an EPA Hazardous waste (D002) due to corrosivity. Dispose of it at an EPA Hazardous Waste disposal facility. Comply with all local, state & federal regulations.

ACGIH	American Conference of Governmental Industrial Hygienists
CL	Ceiling Level
IARC	International Agency for Research on Cancer: Monographs
OSHA	Occupational Safety and Health Administration
N/A	Not applicable
NTP	National Toxicology Program: Annual Report on Carcinogens
PEL	Permissible Exposure Level (OSHA)
TLV	Threshold Limit Value (ACGIH)
TWA	Time Weighted Average over 8 hours
STEL	Short Term Exposure Limit (ACGIH)
ND	Not Determined

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