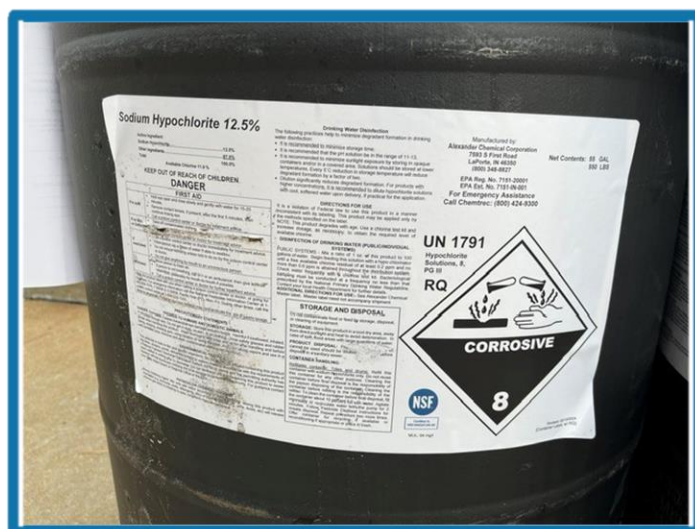


Offer Sheet

Product	Sodium Hypochlorite 12.5%
Quantity	36 drums
Net weight	~20,000 lbs.
Manufacture date	
Availability	One time
Location	Chicago
Date	8/18/27
COA & SDS	Attached below



Brian Svrusis
Solvent Systems International
575 Bennett Road
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](https://www.solvent-systems.com)
[Solvent-Systems.com](https://www.solvent-systems.com)

Sodium hypochlorite 12.5% (NaOCl) is a commercial-strength liquid bleach solution used primarily as an oxidizer, disinfectant, sanitizer, and bleaching agent. It is substantially stronger than typical household bleach.

Major commercial uses

Industry / Market	Application
Municipal wastewater treatment	Disinfection of treated wastewater; microbial control
Municipal drinking water	Water disinfection and oxidation
Industrial wastewater	Disinfection, odor control, oxidation of contaminants
Swimming pools / commercial aquatics	Liquid chlorination of pools and water features
Food & beverage processing	Equipment and process sanitation where approved
Pulp & paper	Bleaching, slime control and process-water treatment
Chemical manufacturing	Oxidizing/chlorinating reagent and chemical intermediate
Industrial cleaning	Bleaching, sanitizing and microbial control
Cooling towers	Controls algae, bacteria and biological growth
Agriculture	Water-system and equipment sanitation
Textiles	Bleaching and processing
Odor control	Oxidation of certain reduced-sulfur compounds and odor-causing contaminants

Best targets:

- 1. Industrial wastewater treatment companies and plants**
- 2. Municipal wastewater treatment plants**
- 3. Chemical distributors/repackagers**
- 4. Commercial swimming-pool chemical suppliers**
- 5. Industrial water-treatment companies**
- 6. Pulp and paper mills**
- 7. Industrial cleaning chemical formulators**
- 8. Chemical manufacturers requiring an inexpensive oxidizer**

ALEXANDER

ALEXANDER CHEMICAL CORPORATION

7593 S. First Road
La Porte, IN 46350
219-393-5558

CERTIFICATE OF ANALYSIS

Product: Sodium Hypochlorite 12.5 wt%
Customer:
Purchase Order #: 4300285804 **Sales Order #** 49037
Lot #: L20250522.9177 **Shipment Date:** 5/28/25
Date of Manufacture: 5/22/2025 **Carrier:** Circle

Analysis

Available Chlorine, vol. %: 16.0
Sodium Hypochlorite, wt%: 13.79
Excess Alkalinity, g/L NaOH: 4.1
Specific Gravity @ 20°C, g/mL: 1.2180
Appearance: Clear, Yellow Solution



Certified to
NSF/ANSI/CAN 60

Attached to: CP-0REV-963765-10.0-0528
Eric Campbell E. Campbell 03 Jun 2025

Maximum Usage
Level: 84mg/L

This document was produced electronically and no signature is required.

VERIFIED BY
E. Campbell 03 Jun 2025



100949719

QC-TL03

NC-Raw- IQA Review

Material Number: 20032416

SODIUM HYPOCHLORITE SOLUTION

Batch: 1004098961

Qty: 0.000 G

Vendor batch: L20250522.9177

Temp. Conditions:

SL
Complaints
5/28/25

20250522.9177

20250522.9177

Safety Data Sheet

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Revision date: 10.03.2016

Version: 6.00

Print date: 10.03.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name/designation:	Sodium hypochlorite 12.5%
Product No.:	BDH7038
Synonymes:	no data available
CAS No.:	not applicable
Other means of identification:	

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use:	For Further Manufacturing Use Only
Uses advised against:	Not for Human or Animal Drug Use

Details of the supplier of the safety data sheet

United States of America

Supplier

VWR International LLC

Street	100 Matsonford Road Radnor Corporate Center, Building One, Suite 200 P. O. Box 6660
Postal code/city	Radnor, PA 19087
Telephone	+1-800-932-5000 toll-free within US/CA +1-610-386-1700
Telefax	+1-610-728-2103

Manufacturer

VWR Chemicals, LLC

Street

3 Lincoln Blvd

Postal code/city

Rouses Point, NY 12979

Emergency telephone

Telephone

+1-800-424-9300 (Chemtrec, 24 hrs/day, 7 days/week, USA)

Preparation Information

VWR International - Data Compliance

E-mail

sds@vwr.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Hazard classes and hazard categories	Hazard statements
Skin corrosion, category 1B	H314
Hazardous to the aquatic environment, acute, category 1	H400

2.2 Label elements

Labelling in accordance with 29 CFR 1910.1200 (OSHA HCS)

Hazard pictograms



Signal word: Danger

Hazard statements	
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

Precautionary statements	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P310	IF exposed or concerned: Immediately call a POISON CENTER/doctor.

Other hazards

Hazards not otherwise classified (HNOC)

no data available

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients Classification according to the OSHA Hazard Communication Standard 29 CFR 1910.1200

Substance name	Concentration	Product identifier	Hazard classes and hazard categories
Sodium hypochlorite	11 - 14 %	CAS No.: 7681-52-9	Skin Corr. 1B - H314 Aquatic Acute 1 - H400
Sodium hydroxide	1 - 5 %	CAS No.: 1310-73-2	Skin Corr. 1A - H314

SECTION 4: First aid measures

4.1 General information

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink.

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

4.4 Self-protection of the first aider

First aider: Pay attention to self-protection!

4.5 Information to physician

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons

no data available

5.2 Specific hazards arising from the chemical

In case of fire may be liberated:

Pyrolysis products, toxic

5.3 Advice for firefighters

DO NOT fight fire when fire reaches explosives. In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray/stream to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of major fire and large quantities: Remove persons to safety. Use personal protection equipment. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Ensure waste is collected and contained.

6.3 Methods and material for containment and cleaning up

Spilled product must never be returned to the original container for recycling. Clean contaminated objects and areas thoroughly observing environmental regulations. Collect in closed and suitable containers for disposal.

6.4 Additional information

Clear spills immediately.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

All work processes must always be designed so that the following is as low as possible: Inhalation skin contact Eye contact Use extractor hood (laboratory). If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

7.2 Conditions for safe storage, including any incompatibilities

storage temperature: no data available

Storage class: no data available

Keep in a cool, well-ventilated place. Keep/Store only in original container.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Engineering controls

Appropriate engineering controls

no data available

Personal protection equipment (PPE)

no data available

Eye/face protection

no data available

Skin protection

no data available

By short-term hand contact

Suitable material: no data available

Thickness of the glove material: no data available

Breakthrough time (maximum wearing time): no data available

By long-term hand contact

Suitable material: no data available

Thickness of the glove material: no data available

Breakthrough time (maximum wearing time): no data available

Respiratory protection

no data available

Additional information

no data available

Environmental exposure controls

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance	
Physical state:	liquid
Color:	no data available
(b) Odour:	no data available
(c) Odour threshold:	no data available

Safety relevant basic data

(d) pH:	no data available
(e) Melting point/freezing point:	no data available
(f) Initial boiling point and boiling range:	no data available
(g) Flash point:	no data available
(h) Evaporation rate:	no data available
(i) Flammability (solid, gas):	not applicable
(j) Flammability or explosive limits	
Lower explosion limit:	no data available
Upper explosion limit:	no data available
(k) Vapour pressure:	no data available
(l) Vapour density:	no data available
(m) Relative density:	no data available
(n) Solubility(ies)	
Water solubility (g/L):	no data available
Soluble (g/L) in Ethanol:	no data available
(o) Partition coefficient: n-octanol/water:	no data available
(p) Auto-ignition temperature:	no data available
(q) Decomposition temperature:	no data available
(r) Viscosity	
Kinematic viscosity:	no data available
Dynamic viscosity:	no data available
(s) Explosive properties:	not applicable
(t) Oxidising properties:	not applicable

9.2 Other information

Bulk density:	not applicable
Refraction index:	no data available
Dissociation constant:	no data available
Surface tension:	no data available
Henry constant:	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

10.7 Additional information

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity:

Sodium hypochlorite - LD50: > 8200 mg/kg - Rat - (IUCLID)

Acute dermal toxicity:

Sodium hypochlorite - LD50: > 10000 mg/kg - Rabbit - (National Library of Medicine ChemID Plus (NLM CIP))

Sodium hydroxide - LD50: 1350 mg/kg - Rabbit - (IUCLID)

Acute inhalation toxicity:

no data available

Irritant and corrosive effects

Primary irritation to the skin:

Causes severe skin burns and eye damage.

Irritation to eyes:

Causes serious eye damage.

Irritation to respiratory tract:

not applicable

Respiratory or skin sensitization

In case of skin contact: not sensitising

After inhalation: not sensitising

STOT-single exposure

not applicable

STOT-repeated exposure

not applicable

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

no data available	ACGIH	IARC	NTP	OSHA

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

Aspiration hazard

not applicable

Other adverse effects

no data available

Additional information

no data available

SECTION 12: Ecological information

12.1 Ecotoxicity

Fish toxicity:

Sodium hypochlorite - LC50: 0.18 mg/l (96 h)

Sodium hydroxide - LC50: 196 mg/l (96 h) - Adema, D.M.M. 1985. Aquatic Toxicity of Compounds that may be Carried by Ships (Marpol 19733 Annex II). A Progress Report for 1985. Tech.Rep.No.R85/217, TNO, The Hague, Netherlands :40 p.

Daphnia toxicity:

Sodium hypochlorite - EC50: 1.57 mg/l (48 h)

Sodium hypochlorite - LC50: 0.055 mg/l (48 h)

Sodium hydroxide - EC50: 40.4 mg/l (48 h) - Warne, M.S.J., and A.D. Schiffko 1999. Toxicity of Laundry Detergent Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity. Ecotoxicol.Environ.Saf. 44(2):196-206

Algae toxicity:

Sodium hypochlorite - EC50: 46 mg/l (96 h)

Bacteria toxicity:

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water: no data available

12.4 Mobility in soil:

no data available

12.5 Results of PBT/vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: no data available

Appropriate disposal / Package

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

Additional information

no data available

SECTION 14: Transport information

Land transport (DOT)

UN-No.:	1791
Proper Shipping Name:	HYPOCHLORITE SOLUTION
Class(es):	8
Classification code:	C9
Hazard label(s):	8
Packing group:	II
Environmental hazards:	No
Marine pollutant:	No
Special precautions for user:	

Sea transport (IMDG)

UN-No.:	1791
Proper Shipping Name:	HYPOCHLORITE SOLUTION
Class(es):	8
Classification code:	
Hazard label(s):	8
Packing group:	II
Environmental hazards:	No
MARINE POLLUTANT:	no data available
Special precautions for user:	
Segregation group:	8
EmS-No.	F-A S-B
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
not relevant	

Air transport (ICAO-TI / IATA-DGR)

UN-No.:	1791
Proper Shipping Name:	HYPOCHLORITE SOLUTION
Class(es):	8
Classification code:	
Hazard label(s):	8
Packing group:	II
Special precautions for user:	

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA 313 Components

no data available

Massachusetts Right To Know Components

no data available

Pennsylvania Right To Know Components

no data available

New Jersey Right To Know Components

no data available

California Prop. 65 Components

no data available

SECTION 16: Other information

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
IARC - International Agency for Research on Cancer
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations
ICAO-TI - International Civil Aviation Organization-Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety & Health Administration
PBT - Persistent, Bioaccumulative and Toxic
PEL - Permissible Exposure Limit
STV - Short Term Value
SVHC - Substances of Very High Concern
TLV - Threshold Limit Value

vPvB - very Persistent, very Bioaccumulative

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

AGS - Committee on Hazardous Substances (Ausschuss für Gefahrstoffe)

CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures

DFG - German Research Foundation (Deutsche Forschungsgemeinschaft)

Gestis - Information system on hazardous substances of the German Social Accident Insurance (Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung)

RID - Regulation concerning the International Carriage of Dangerous Goods by Rail

Additional information

Indication of changes: general update

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guidance. The information in this document is based on the present state knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VWR International and his Affiliates shall not be held liable for any damage resulting from handling.