



SAFETY DATA SHEET

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Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name BRIGHT CHLORINE BLEACH

Other means of identification

Product Code(s) 211050

Synonyms Bright Bleach

Recommended use of the chemical and restrictions on use

Recommended Use Laundry Bleach

Uses advised against No Information Available

Supplier's details

Supplier Address

Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

SKIN COROSION/IRRITATION – Category 1
SERIOUS EYE DAMAGE/EYE IRRITATION – Category 1

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word DANGER

Hazard Statements

• Causes severe skin burns and eye damage

Appearance Pale Yellow**Physical State** Solid**Odor** Chlorine Odor**Symbol:****Precautionary Statements****Prevention**

Do not breathe dust/fumes/gas/mists/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

Immediately call a POISON CENTER or doctor/physician.

Eyes

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin

IF ON SKIN, take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation

IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

IF SWALLOWED, rinse mouth. Do NOT induce vomiting.

Storage

Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
Sodium hypochlorite	7681-52-9	5 - 15	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact

Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

No information available

Hazardous Thermal Decomposition Products

No information available

Specific Fire-Fighting Methods

No information available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become slippery.

Environmental Precautions

Environmental Precautions Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Cleaning Up Stop leak if you can do it without risk. Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using with product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Store at room temperature. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products Heavy metals. Reducing agents. Acids. Do not mix with anything but water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Showers, Eyewash Stations, Ventilation Systems

Individual protection measures, such as personal protective equipment

Eye & Face Protection	Chemical splash goggles.
Hand & Skin Protection	Rubber gloves. Neoprene gloves.
Respiratory Protection	Particle filtering face mask.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Pale Yellow
Odor	Chlorine Odor	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	10
Melting Point/Range	No data available
Boiling Point/Boiling Range	> 100°C
Flash Point	N/A
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	1.09
Water Solubility	100
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	Not flammable
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

Incompatible products. Protect from light. Heat.

Incompatible materials

Heavy metals. Reducing agents. Acids. Do not mix with anything but water.

Hazardous decomposition products

Chlorine gas acids and salts.

11. TOXICOLOGICAL INFORMATION

Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

Symptoms

Eye Contact Causes serious eye damage
Skin Contact Causes severe skin burns
Inhalation May cause irritation of respiratory tract
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Toxicity Data

Product	LD50 Oral	LD50 Dermal	LD50 Inhalation
Sodium hypochlorite	= 820 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Chronic Toxicity

Carcinogenicity Sodium hypochlorite-IARC-Group 3
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental Effects No known significant effects or critical hazards.
Fertility Effects No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Sodium hypochlorite 7681-52-9	EC50 24h: =0.095 mg/L (Skeletonema costatum)	LC50 96h: 0.03-0.19 mg/L semi-static (Oncorhynchus mykiss) LC50 96h: 0.05-0.771 mg/L flow-through (Oncorhynchus mykiss) LC50 96h: 0.06-0.11 mg/L flow-through (Pimephales promelas) LC50 96h: 0.18-0.22 mg/L static (Oncorhynchus mykiss) LC50 96h: 0.28-1 mg/L flow-through (Lepomis macrochirus) LC50 96h: 0.4-0.8 mg/L static (Lepomis macrochirus) LC50 96h: 4.5-7.6 mg/L static (Pimephales promelas)	EC50 48h: 0.033-0.044 mg/L static (Daphnia magna) EC50 96h: =2.1 mg/L (Daphnia magna)

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT

UN Number	UN1791
Proper Shipping Name	Hypochlorite solutions
Hazard Class	8
Packing Group	II
Reportable Quantity	Sodium hydroxide: RQ kg=550.30
Description	UN1791, Hypochlorite solutions, 8, II, RQ
Emergency Response Guide Number	154

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard

Clean Water Act

This product contains the following substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Sodium hypochlorite (7681-52-9)

CERCLA

This material, as supplied, contains one or more substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material:

Sodium hypochlorite (7681-52-9)

California Proposition 65

This product does not contain any Proposition 65 chemicals

US State Right-To-Know Regulations

The following substances are listed on the corresponding states Right-To-Know list:

Sodium hypochlorite (7681-52-9) – New Jersey, Massachusetts, Pennsylvania

16. OTHER INFORMATION

NFPA	Health 3	Flammability 0	Instability 1
HMIS	Health 3	Flammability 0	Physical Hazards 1

Prepared By	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355
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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet