### Bleach

# **CAROLINA**® www.carolina.com

### **Section 1**

### **Product Description**

Product Name: Recommended Use: Synonyms: Distributor: Bleach Science education applications Clorox Bleach Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Chemical Information: Chemtrec:

### **Hazard Identification**

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

## DANGER

Section 2



Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### **GHS Classification:**

Serious Eye Damage/Eye Irritation Category 1, Hazardous to the aquatic environment - Acute Category 1, Hazardous to the aquatic environment - Chronic Category 2

### **Composition / Information on Ingredients**

Chemical Name	CAS #	<u>%</u>
Water	7732-18-5	92.45
Sodium Hypochlorite	7681-52-9	7.35
Sodium Hydroxide	1310-73-2	0.2

### Section 4

**Section 3** 

### First Aid Measures

Emergency	and	First	Aid	Procedures
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Soction 5	
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
	water.
Skin Contact:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of
Lycs.	to do. Continue rinsing.
Eves:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.

### Section 5

**Firefighting Procedures** 

Extinguishing Media:	Use media suitable to extinguish surrounding fire.
Fire Fighting Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards:	Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

### **Section 6**

### **Spill or Leak Procedures**

	5			
Steps to Take in Case Material Is Released or Spilled: Environmental Precautions:	Exposure to the spilled mater equipment recommendations necessary based on special of the quantity of the spill, the ar- employees in the area respor- area promptly. Avoid breathing material. Avoid Prevent the spread of any spi to do so. Wear complete and recommendation of Section 8 granulated clay. Gather and so Collect spillage.	found in Section 8 circumstances created in which the sp ading to the spill. A did contact with skin Il to minimize harm proper personal pr at a minimum. Dik	of this SDS. Additional pre- ted by the spill including; the ill occurred. Also consider to centilate the contaminated of and eyes. In to human health and the cotective equipment following the with suitable absorbent re-	ecautions may be he material spilled, the expertise of area. Evacuate the environment if safe ng the material like
Section 7	Handling and	d Storage		
Handling:Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Leather clothing and shoes will be damaged.Storage:Keep container tightly closed in a cool, well-ventilated place. White - Corrosive. Separate acids from bases; separate oxidizer acids from organic acids.				
Section 8	Protection In	formation		
Chemical Name Sodium Hydroxide	ACGII (TWA) N/A	<u>I</u> (STEL) N/A	<u>OSHA F</u> (TWA) 2 mg/m3 TWA	<u>PEL</u> (STEL) N/A
Control Parameters Engineering Measures: Personal Protective Equipment (PPE Respiratory Protection: Eye Protection: Skin Protection:	No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use. Lab coat, apron, eye wash, safety shower. No respiratory protection required under normal conditions of use. Wear chemical splash goggles when handling this product. Have an eye wash station available. Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving			

**Gloves:** 

**Section 9** 

### **Physical Data**

work.

Nitrile, Natural rubber

Formula: See Section 3 Molecular Weight: N/A Appearance: Colorless to pale yellow Liquid Odor: Moderate Characteristic Odor Threshold: No data available pH: 11-12 Melting Point: No data available Boiling Point: 100 C Flash Point: No data available Flammable Limits in Air: N/A N/A Vapor Pressure: N/A Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): N/A Specific Gravity: Approx. 1.1 at 21.11 °C Solubility in Water: Soluble Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Percent Volatile by Volume: N/A

### Section 10

Section 11

### **Reactivity Data**

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatible Materials:	Water-reactive materials, Ammonium Salts, Amines, Metals (powdered), Strong acids,
	Organic Compounds
Hazardous Polymerization:	Will not occur
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### **Toxicity Data**

Inhalation, ingestion, eye or skin contact.

Symptoms (Acute): Delayed Effects:	Respiratory disorders, No data available					
Acute Toxicity: Chemical Name Water Sodium Hypochlorite		<b>CAS Number</b> 7732-18-5 7681-52-9	<b>Oral LD50</b> Oral LD50 Rat 90000 mg/kg Oral LD50 Mor		I LD50	Inhalation LC50
Sociality Poenionie		7001-52-5	5800 mg/kg	use		
Carcinogenicity:						
Chemical Name Sodium Hydroxide		CAS Number 1310-73-2	IARC Not listed	Not listed		OSHA Not listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mut No evidence of a tera No evidence of a sen No evidence of negat See Section 2 N/A	togenic effect (birth sitization effect.				
Section 12		Ec	cological D	ata		
Overview:	wildlife. Beca	ical hazard. In high use of the high pH	of this product, it v	would be expected	d to produce	
Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects	No data Dissolved inte No data No data	oon exposure to aqu o water	Jatic organisms ar	nd aquatic system	IS.	
<b>Chemical Name</b> Water Sodium Hypochlorite		CAS NumberEco Toxicity7732-18-5No data available7681-52-996 HR EC50 DAPHNIA MAGNA 2.1 MG/L				
Sodium Hydroxide		24 HR EC50 SKELETONEMA COSTATUM 0.095 MG/L1310-73-2Aquatic LC50 (96h) Rainbow Trout 45.4 MG/L				
Section 13	Disposal Information					
Disposal Methods:		ose in accordance v				lations. Always
Waste Disposal Code(		etermined		to assure complia	ance.	
Section 14		Trans	sport Inforr	nation		
Ground - DOT Proper	Shipping Name:		Air - IATA Pro Not regulated b	<b>per Shipping Na</b> by IATA	me:	
Section 15		Regul	atory Infor	mation		
TSCA Status:	All co	mponents in this pr	roduct are on the	<b>FSCA</b> Inventory.		
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPC	Q CAA 112(2) TQ
Sodium Hypochlorite	7681-52-5	) No	100 lb RQ	100 lb final RQ 45.4 kg final	No	No
Sodium Hydroxide	1310-73-2	2 No	1000 lb RQ	RQ 1000lb (454kg) final RQ	No	No

**Routes of Entry** 

### Section 16

### **Additional Information**

#### Revised: 09/09/2015

#### Replaces: 05/27/2015

#### Printed: 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

<b>Glossary</b> ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health