




Bleach-6 Safety Data Sheet

Version 2

Section 1:	Identification of substance
1.1 Product Identifier	1.2 Details of the manufacture of the SDS
Product name: Bleach 6	First Chemical Limited
Product UPC: 27909-03008	83 Torbarrie Road
Product code: 30081	Toronto, Ontario M3L 1G5
1.3 Emergency telephone number: CHEMTREC: 1-800-424-9300	

Section 2:	Hazard Identification						
<p>2.1 GHS Classification Skin Irritation: Category 1 Eye Irritation: Category 1 Aquatic Acute: Category 1 Corrosive to metals: Category 1</p> <p>2.2 Label elements Hazard pictogram: GHS Labeling</p> <div style="text-align: center;">  </div> <p>Signal word: Danger Hazard Statement: GHS –</p> <ul style="list-style-type: none"> - Causes skin irritation, - Causes eye damage, - Toxic to aquatic life <p>2.3 Precautionary Statements</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Prevention</td> <td>Do not breathe mist, vapors or spray. Wash hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear eye/face protection. Wear protective clothing.</td> </tr> <tr> <td>Eyes</td> <td>rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuing rinsing</td> </tr> <tr> <td>Skin</td> <td>Immediately take off all contaminated clothing. Rinse skin with water or shower. Wash contaminate clothing before reuse</td> </tr> </table>		Prevention	Do not breathe mist, vapors or spray. Wash hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear eye/face protection. Wear protective clothing.	Eyes	rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuing rinsing	Skin	Immediately take off all contaminated clothing. Rinse skin with water or shower. Wash contaminate clothing before reuse
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Inhalation	If inhaled immediately go to get fresh air and keep at rest in position comfortable for breathing If ingested rinse mouth, do not induce vomiting
Ingestion	
Specific treatment	See Safety Data Sheet Section 4: First Aid Measures for additional information
Storage	Keep out of reach of children. Store in a well-ventilate place. Store in a close container. Protect from sunlight
Disposal	Dispose of contents and container in accordance with local, state and federal regulation
Hazards Not Otherwise Classified	Not Applicable
2.4 Unknown score toxicity GHS: No data available	

Section 3:	Composition/information on ingredients	
Chemical Name	Cas- No	Concentration: (%)
Water	7732-18-5	>70 %
Sodium hypochlorite	7681-52-9	< 5 %

Section 4:	First Aid Measures	
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention	
In case of skin contact:	Wash off immediately with plenty of water for at least 15 minutes. Use mild soap if available. Get medical attention if irritation develops and persists	
If swallowed:	Rinse mouth with water. Get medical attention if symptoms occur.	
If inhaled:	Remove to get fresh air. Get medical attention if symptoms occur.	
Notes to physician:	product is a corrosive material. Treat symptomatically	
Most important symptoms/effects both acute and delayed:	See Section 11 for more detailed information on health effects and symptoms	

Section 5:	Firefighting Measures
5.1 Extinguishing media	
<i>Suitable extinguishing media:</i> Foam, Dry powders (Do not contain Ammonium compounds), Carbon dioxide. Water spray. Sand	
<i>Unsuitable extinguishing media:</i> Do not use heavy water stream.	
5.2 Specific Hazards Arising from the chemical	
Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire	
5.3 Hazardous Combustion Products:	
Hydrogen gas, Hydrogen chloride, Chlorine, Oxygen, Sodium oxides	
5.4 Special protective equipment for firefighters	
Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire—exposed containers with water spray	

Section 6:	Accidental Release Measures
6.1 Personal Precautions:	
Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Do not touch and walk through spilled material. All persons dealing with clean up should wear the appropriate protective equipment including self contained breathing apparatus. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personnel protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation	
6.2 Environmental Precautions:	
Ensure spilled product does not enter drains, sewers, waterways or confined spaces. If necessary dike well ahead of the spill to prevent runoff into drains, sewers or any natural waterway or drinking supply. Prevent further leakage or spillage if safe to do	
6.3 Methods for clean up	
Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material and place in container for disposal according to local/ national regulations	

Section 7:	Handling and Storage
7.1 Handling Procedures:	
use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Use in well ventilated areas. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapors/fumes. Wash hands thoroughly after handling. Mixing this product with acid or ammonia release chlorine gas	

7.2 Storage conditions:

Keep containers tightly closed in a dry, cool and well ventilate area. Keep out of reach of children. Keep from freezing. Protect from sunlight

7.3 Incompatible materials:

Acid. Strong oxidizing agents. Ammonia. Reactive metals such a aluminum, zing and tin

Section 8:	Exposure Controls/ Personal Protection		
8.1 Table			
Chemical Name	ACHIH TLV	OSHA PEL	NOISH IDLH
Sodium hypochlorite 7681-52-9	None	None	None
8.2 Occupational exposure limits: None established			
<p>8.3 Exposure controls: <i>Appropriate engineering controls:</i> emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposures. Provide adequate general and local exhaust ventilation <i>Personal Protective Equipment:</i> Safety glasses, gloves, and protective clothing <i>Hand protection:</i> Wear protective gloves <i>Eye protection:</i> Chemical goggles or safety clothing <i>Skin and body protection:</i> Wear suitable protective clothing <i>Respiratory protection:</i> where exposure through inhalation may occur from use, respiratory protection equipment is recommended <i>General Hygiene Considerations:</i> Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance <i>Other information:</i> Do not eat, drink, smoke during use</p> <p>This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.</p>			

Section 9:	Physical and Chemical Properties
Appearance:	Liquid
Color:	Light Yellow
Odor:	Chlorine
PH:	11.5-12.8%
Flash point:	>104°C/ 219 F ASTM D56
Odor threshold:	Not determined
Melting/ Freezing point:	N/A
Initial boiling point/boiling range:	100°C/212 F
Evaporation rate:	N/A
Flammability (solid/gas):	Not combustible
Upper explosion limit:	N/A
Lower explosion limit:	N/A
Vapour pressure:	@20°C 1.6 KPa
Specific gravity:	1.047-1.08
Water solubility:	Soluble in water
Auto- ignition temperature:	Not applicable

Section 10:	Stability and Reactivity
10.1 Reactivity:	Reacts with other chemicals such as acids, or acid based products such as toilet bowl cleaners, rust removers, products containing ammonia to produce hazardous irritating gases, such as chlorine and other Chlorinated compounds. Avoid contact with metals, reducing agents, and other oxidizing agents. Sodium Hypochlorite is very corrosive to brass, and moderately corrosive to bronze.
10.2 Chemical Stability:	Stable under recommended storage conditions
10.3 Possibility of Hazardous Reactions:	<ol style="list-style-type: none"> 1) Contact with acids releases chlorine gas 2) Contact with ammonia releases chloramine gas 3) Contact with aluminum or other reactive metals may release hydrogen gas
10.4 Conditions to avoid:	<ol style="list-style-type: none"> 1) Do not mix with other chemicals 2) High temperature accelerates decomposition of product
10.5 Incompatible materials:	Acids. Strong oxidizing agents, Ammonia. Reactive metals
10.6 Hazardous Decomposition products:	Hydrogen Chloride, Chlorine, oxygen, oxides of sodium

Section 11:		Toxicological information		
Table 11.1 Toxic Effects on Humans				
Routes of exposure		Eyes, skin, ingestion, inhalation		
Inhalation		Inhalation of vapors in high concentration may cause irritation of respiratory system		
Eye contact		Avoid contact with eyes. Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage		
Skin contact		Avoid contact with skin. Pain, redness, blistering and possible chemical burn		
Immediate, delayed, chronic effects		No data available		
Table 11.2 Component Acute Toxicity information				
Chemical Name	Oral LD 50	Dermal LD 50	Inhalation LD 50	
Water 7732-18-5	>90 ml/kg (rat)	N/A	N/A	
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (rat)	>10000 mg/kg (rabbit)	N/A	
Carcinogenicity: No components present at 0/1% or greater are listed as to being carcinogens by ACGIH, IARC NTP or OSHA				
Sensitization: No Information available				
Mutagenic Effects: No information available				
Table 11.3				
Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-
IARC(International Agency for Research on Cancer) Group 3— <i>Not classified as to Carcinogenicity in Humans</i>				
Reproductive toxicity: No information available				
STOT- single exposure: No information available				
STOT- repeated exposure: No information available				
Chronic toxicity: Carcinogenic potential is unknown				
Target Organ Effects: Respiratory system. Eyes. Skin. Gastrointestinal tract (GI)				

Section 12:	Ecological Information
<p>Ecotoxicity Data: Sodium Hypochlorite: Acute 96H LC50 Rainbow trout: 0.030-0.070 mg/L</p> <p>Ecotoxicity Data: Sodium Hypochlorite: Acute 48H LC50 Daphnia magna: 0.032-0.036 mg/L</p> <p>Ecotoxicity Data: Sodium Hypochlorite: Acute 96H LC50 fish Guppy Poecilia reticulata: 56 mg/L</p> <p>Mobility in Soil: N/A</p> <p>Biodegradability: N/A</p> <p>Bioaccumulation: N/A</p> <p>Other adverse effects: N/A</p>	

Section 13:	Disposal Considerations
<p>Waste Treatment Methods:</p> <ol style="list-style-type: none"> 1) Disposal of wastes: Disposals should be in accordance with applicable, regional, national and local laws and regulations 2) Contaminated packaging: Do not reuse container. Dispose of in accordance with federal, state, and local regulations 3) US EPA Waste Number: D002 	

Section 14:	Transport Information
DOT UN/ID No.	UN 1791
IATA UN/ID No.	1791
Proper shipping name:	Sodium Hypochlorite, Corrosive liquids n.o.s.
Hazard Class	8
Packing Group	III
Descriptions:	Shipping description may vary based on mode of transport, quantities, package, size and/or origin and destination
IMDG UN/ID No.	1791
Proper shipping name	Corrosive liquids n.o.s (sodium hypochlorite)
Hazard Class	8
Packing Group	III

Section 15:	Regulatory Information
I5.1 International inventories: TSCA DSL/NDSL Legend: TSCA: United States Toxic Substances Control Act Section 8(b) Inventory DSL/ NDSL: Canadian Domestic Substances List/Non-Domestic Substances Lists	
<u>15.2 US FEDERAL REGULATIONS:</u> SARA 313 This product does not contain listed substances above the ‘de minimums’ level SARA 311/312 Hazard Categories <ol style="list-style-type: none"> 1) Acute health hazard: YES 2) Chronic health hazard: NO 3) Fire hazard: NO 4) Sudden release of pressure hazard: NO 5) Reactive hazard: NO 	
<u>15.3 CWA (CLEAN WATER ACT)</u> This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42)	
<u>15.4 California proposition 65</u> This product does not contain any proposition 65 chemicals	

Section 16:	Other Information							
NFPA	Health Hazards	2	Flammability	0	Instability	0	Special	N/A
HMIS	Health Hazards	2	Flammability	0	Physical Hazards	0		
Revision Date:		Prepared by:		Issuing Date:				
October 29 th 2019		Regulatory Affairs P.R.		12/15/2016				

The information provided in this Safety Data Sheet is correct to best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet