



MSDS

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: BLEACH-6

Product Use: Water Treatment. Bleaching Agent. Dish-Glass Sanitizer

Supplier Name and Address:

First Chemical Limited
83 Torbarrie Road
Toronto, Ontario
M3L 1G5

Manufacturer's Name and Address:

First Chemical Limited
83 Torbarrie Road
Toronto, Ontario
M3L 1G5

Emergency Contact #

(416) 249-8050

Emergency Contact #

(416) 678-3179

WHMIS Classification:

Class D2B .E

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredients	CAS #	% (weight)	LC ₅₀ , ppm (inhalation, rat)	LD ₅₀ , mg/kg (Oral, rat)
SODIUM HYPOCHLORITE	#7681-52-9	>1	N/A	5000mg/kg

SECTION 3 - PHYSICAL DATA

Physical State, Odour and Appearance	Liquid
Odour Threshold	N/A
Specific Gravity (at 20°C)	N/A
Coefficient of water/oil distribution	N/A
Vapour pressure (mm Hg @ 20°C)	17.5
Boiling Point	Decompose .40c
Melting / Freezing Point	N/A
Ph	12 - 13
Vapour Density (Air=1.0)	N/A
Evaporation rate (n-BuAc=1.0)	N/A
Volatiles, %	N/A
Solubility in Water (w/w)	Completely. Miscible

SECTION 4 - FIRE AND EXPLOSION HAZARDS

Conditions of flammability	Not Flammable
Means of Extinction	Suitable for surrounding fire
Special Fire-Fighting Procedures	Wear self-contained positive pres .Breathing apparatus Move containers promptly out of fire zone Use water-spray to keep containers cool.
Sensitivity to Mechanical Impact / Static Discharge:	N/A
Flash Point (Method)	N/A
Lower Flammable Limits (% by volume)	N/A
Upper Flammable Limits (% by volume)	N/A
Auto-Ignition Temperature	N/A
Hazardous Combustion Products	N/A

SECTION 5 - REACTIVITY HAZARDS

Stability	Stable
Incompatible materials	Heat, light ammonia, acids and all organic materials.
Conditions of reactivity	On contact with metals.
Hazardous decomposition products	Contact with acids will liberate chlorine gas

SECTION 6 - TOXICOLOGICAL PROPERTIES

*** Routes of Exposure and Acute / Chronic Effects ***

LD₅₀	See Section 2	LC₅₀	See Section 2
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Routes of entry	Affect
Inhalation	May irritate upper respiratory tract. Vapours may be irritation and cause coughing and discomfort in the nose, throat, and chest. Headache.
Skin contact	Corrosive. May cause immediate skin irritation and blistering. Causes chemical Burns. Repeated or prolonged contact may cause dermatitis.
Eye contact	Corrosive. May cause severe irritation. May cause permanent injury
Ingestion	Corrosive. Possible burns to mouth and throat. Severe pain, vomiting, diarrhea, and collapse.

Chronic effects	Affect
Carcinogenicity	None of the hazardous ingredients are listed as carcinogens by IARC, NTP, & OSHA

Sensitization to material	N/A
Synergistic materials	None known

SECTION 7 - FIRST AID

Routes of entry	Treatment
Inhalation	Remove to fresh air .If breathing has stopped .administer artificial respiration and seek medical attention.
Skin contact	Flush with water .Call a doctor if irritation develops
Eye contact	Immediately flush with water for 15 minutes. Call a doctor immediately.
Ingestion	Do not induce vomiting. If victim is conscious give plenty of water to drink. Call a doctor.

SECTION 8 - PREVENTIVE MEASURES

Type	Preventative Action
Spill, leak or Release	Ventilate area. Contain the spill. Dike area to prevent spreading .Pump spilled material into marked containers for reclamation or disposal. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.
Waste disposal	Liquids cannot be sent to landfills unless solidified. Unusable product and some collected spent use-dilution may require disposal as hazardous waste at a permitted treatment/storage/disposal facility. Consult local ,provincial, and federal agencies for proper disposal method in your area

*** PROTECTIVE EQUIPMENT ***

Type	Description
Respiratory protection	A NIOSH / MSHA jointly approved respiration is advised in the absence of proper environmental controls
Engineering controls	Local exhaust and general room ventilation are required to meet exposure standards.
Protective gloves	Rubber
Eye protection	Chemical safety goggles
Other equipment	Eye bath and safety shower

*** STORAGE AND HANDLING ***

Type	Description
Handling procedures and equipment	
Storage requirements	
Special shipping instructions	

SECTION 9 - PREPARATION INFORMATION

Prepared by First Chemical Limited Research and Development Laboratory-P.R.
Telephone (416) 249-8050
Preparation date November 16, 2015

*** ADDITIONAL NOTES AND REFERENCES ***

T.D.G. CLASSIFICATION	8 (9.2) Pg : III
UN NUMBER	1791
N/A	Not available
TDG	Transportation of Dangerous Goods Act
TLV	Threshold Limit Values
TCC	Tagliabue Closed Cup flash point test