

## 1. IDENTIFICATION

**Product Identifier:** 12% LIQUID BLEACH **Revision Date:** January 3, 2018  
**Product Code:** 407  
**Other Name(s):**  
**Distributed By:**  
**Recommended Use & Restrictions on Use:** Sanitizer, bleaching agent  
  
**Manufactured By:** Concept Manufacturing Ltd. Phone: 250-491-5656  
 2 – 555 Adams Rd. In case of Emergency Only, phone  
 Kelowna, BC V1X 7R9 CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

**Classification of Mixture:** Eye Damage/Irritation – Category 1  
 Skin Corrosion/Irritation – Category 1

**Label Elements:**

Hazard Pictogram(s):



Signal Word: DANGER

**Hazard Statements:** Causes severe skin burns and eye damage.

**Precautionary Statements:**

**Prevention:** Do not breathe dusts or mists.  
 Wash hands thoroughly after handling.  
 Wear protective gloves, protective clothing, and eye/face protection.

**Response:** **IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.  
**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.  
 Absorb spillage to prevent material damage.

**Storage:** Store locked up.

**Disposal:** Dispose of the contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**

Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
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Sodium hypochlorite (12%)

100%

7681-52-9

bleach

## 4. FIRST AID MEASURES

### Necessary Measures:

**IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.

**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

### Most important symptoms – acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

### Indication of immediate medical attention and treatment needed, if necessary:

Not applicable

## 5. FIRE FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate produce chlorine gas and/or hydrogen chloride gas.

### Specific protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See Section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with absorbent material and scoop into containers.

Large spills: Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

Store locked up.

Keep out of reach of children. Store in a cool, dry place.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Control Parameters – Exposure limits:

Ingredient:

Sodium hypochlorite (12%)

Limit:

ACGIH TLV-TWA: 0.5 ppm (chlorine)

### Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

### Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

### Other protection:

Wear protective gloves, protective clothing and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale yellow liquid
<b>Odour:</b>	Strong chlorine odour
<b>Odour threshold:</b>	Not available
<b>pH:</b>	12.6; 1% solution 9.8
<b>Melting/Freezing point:</b>	Not available
<b>Initial boiling point and range:</b>	Not applicable
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative density (specific gravity):</b>	1.167
<b>Solubility (ies):</b>	Soluble
<b>Partition co-efficient n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal use conditions.

### Chemical Stability:

Stable.

### Possibility of hazardous reactions:

Not available.

### Conditions to avoid:

Not applicable.

### Incompatible materials:

Oxidizers/Acid

### Hazardous decomposition products:

Not available.

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

<b>Inhalation:</b>	Irritant of the nose and throat, causing coughing, difficulty breathing and pulmonary edema.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Eye contact:</b>	Causes serious eye damage.
<b>Skin contact:</b>	Causes severe burns and eye damage.
<b>Skin absorption:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Carcinogenicity:</b>	This information, if applicable, can be found in Section 2.
<b>Reproductive toxicity:</b>	This information, if applicable, can be found in Section 2
<b>Sensitization of product:</b>	This information, if applicable, can be found in Section 2
<b>Specific Target Organ Toxicity – single exposure:</b>	This information, if applicable, can be found in Section 2
<b>Specific Target Organ Toxicity – repeated exposure:</b>	This information, if applicable, can be found in Section 2
<b>Toxicological Data:</b>	
<u>Ingredient</u>	<u>Data</u>
Sodium hypochlorite (12%)	Not available
<b>Other Toxicological Information on Ingredients</b>	
Not applicable	

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available
<b>Persistence and degradability:</b>	Not available
<b>Bioaccumulative potential:</b>	Not available
<b>Mobility in soil:</b>	Not available
<b>Other adverse effects:</b>	Not available
<b>Ecological Information on Ingredients:</b>	Not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** All waste must be disposed according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG Classification:** UN 1791; HYPOCHLORITE SOLUTION; CLASS 8; PG III

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

<b>Prepared by:</b>	Technical Services Department, Concept Manufacturing Ltd., Ph: 250-491-5656
<b>Date of Preparation:</b>	January 3, 2018
<b>Date of Revision:</b>	January 3, 2018

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