



## Material Safety Data Sheet - Clean San

Alouette Ware Wash Chemicals Inc.  
#2130-1851 Savage Rd. Richmond BC  
Tel: 604.233.7722  
**24 Hour Number: CANUTEC 613.996.6666**  
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### 1. PRODUCT IDENTIFICATION AND USE

- Product Name - **CLEAN SAN**
- TDG Classification - **HYPOCHLORITE SOLUTION; CLASS 8; UN 1791; PG III**
- WHMIS Classification - **E**
- Product use - Liquid sanitizer for use with automatic dishwashing and glass washing machines.

### 2. PREVENTION / PROTECTIVE MEASURES

- Personal Protective Equipment
  - Skin - Impermeable gloves ( Rubber, vinyl, or neoprene )
  - Eyes - Use chemical splash glasses when handling. And wear protecting cloth
  - Inhalation - Local exhaust ventilation.
- Special Handling Procedures and Equipment
  - Incompatibility - Avoid acids, ammonia, and soft metals.
  - Storage - Store in a cool location, keep container closed.
  - Spill Procedures - Caution spills may be slippery. For small spills, flush to drain.
  - Waste Disposal - Dispose of waste in accordance with local, provincial and federal regulations. Triple rinse container with water before disposal.

### 3. HAZARDOUS INGREDIENTS

|                        | CAS #     | % active<br>chlorine | LD <sub>50</sub><br>(Acute oral rat) |
|------------------------|-----------|----------------------|--------------------------------------|
| a. SODIUM HYPOCHLORITE | 7681-52-9 | 12                   | >700mg/kg                            |

### 4. TOXICOLOGICAL PROPERTIES (Acute and Chronic)

- Eyes - **CORROSIVE**, causes severe irritation and burns to eyes.
- Skin - **CORROSIVE**, causes mild irritation.
- Ingestion - Harmful if ingested. May cause internal bleeding to digestive tract
- Inhalation - Cause severe irritation to respiratory tract
- Chronic effects - N/A.

### 5. FIRST AID MEASURES

- Eyes - Flush immediately with temperate water for 20 minutes, removing contaminated clothing and shoes. Obtain immediate medical attention.
- Skin - Flush immediately with temperate water for 15 minutes, remove contaminated clothing and shoes. If irritation persists, obtain medical attention.
- Ingestion - **DO NOT INDUCE VOMITING**. If conscious, give large quantities of water and seek immediate medical attention.
- Inhalation - Move to fresh air, if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain immediate medical attention.

### 6. PHYSICAL PROPERTIES

- State - Yellow clear liquid, chlorine odour
- PH - ( 1% solution) 12.0
- Boiling Point - may decompose at about 40° C
- Freezing Point - Below 15° C
- Percent non-volatile - 24%
- Specific Gravity - 1.12 to 1.17
- Solubility - Complete in Water
- Evaporation Rate - Like water



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### 7. FIRE AND EXPLOSION DATA

- a. Flammability – Not Applicable
- b. Flash Point – Not Applicable
- c. Means of extinction – Water fog
- d. Special fire fighting procedures – Wear NOISH-approved self-contained breathing apparatus and protective clothing.
- e. Hazardous Combustion Product – **CORROSIVE**, decomposition will produce chlorine gas and/or hydrogen chloride gas.
- f. Explosion Hazards – Pressure build up in containers could result in an explosion when heated or in contact with acidic fumes. Vigorous reaction with oxidizable organic materials may result in a fire.

### 8. REACTIVITY DATA

- a. Stability – unstable at temperatures above 40 C, in sunlight and in contact with acid.
- b. Incompatibility – Avoid contact with acids or oxidizable metals.

### 9. MSDS PREPARATION

- Prepared by Alouette Ware Wash Chemicals Inc. based on supplier's MSDS.

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