


Safety Data Sheet

Section 1. Identification		
Product Identifier	Sani-Clean	Version: 5 Effective Date: 21 January, 2016
Other Means Of Identification	None	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Automatic dish wash liquid. Do not mix with acids or amines.	
Product Family	Blend	
24 Hour Emergency	Canutec (613) 996-6666	

Section 2. Hazard Identification	
Hazard Classification	
Health Hazards	Skin Corrosion/Irritation – Category 1 Skin Sensitization – Category 1A Eye Damage/Irritation – Category 1 Acute Toxicity - Oral – Category 4
Signal Word	Danger
Hazard Statement	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if swallowed.
Precautionary Prevention Statement	Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, clothing, eye and face protection. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.
Precautionary Response Statement	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower if on clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. Wash with plenty of water.

Safety Data Sheet

	<p>Specific Treatment: do not induce vomiting unless directed by medical personnel. Treat symptomatically. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.</p>
Precautionary Storage Statement	Store locked up.
Precautionary Disposal Statement	Dispose of contents / container in accordance with local regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Sodium hypochlorite	Bleach	7681-52-9	10 - 20
Potassium hydroxide	Caustic potash	1310-58-3	1 - 15
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures

Eye Contact	Flush eyes with water for 30 minutes until no chemical remains. Seek immediate medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Safety Data Sheet

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Water spray, or alcohol foam. Do not use Carbon dioxide (CO ₂).
Hazardous Combustion Products	Decomposition may produce chlorine gas or hydrogen chloride gas
Specific Hazards Arising From the Product	Thermal decomposition can lead to release of irritating gases and vapors. Contact with metals may evolve flammable hydrogen gas.
Special Protective Equipment and Precautions For Fire-Fighters	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Chemical resistant (rubber, neoprene) gloves, coveralls, footwear and safety glasses. Evacuate unnecessary personnel and isolate area. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Environmental Precautions	Do not allow material to enter surface drains and water courses
Methods and Materials For Containment and Clean-Up	Ventilate area, dike large spills, pump up and place in containers for disposal. Soak up residues or small spills and scoop into containers. Flush area with water to remove residues which may leave a slippery film.

Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care. Keep containers closed when not in use. Empty containers may contain hazardous residues.
Conditions For Safe Storage	Store in a cool dry place, away from direct sunlight. Protect from freezing.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Sodium hypochlorite	0.5 ppm as for chlorine	-	-	-
Potassium hydroxide				2 mg/m ³ ACGIH

Safety Data Sheet

Exposure Controls	Local exhaust ventilation
Appropriate Engineering Controls	Ensure safety shower and eye wash station are available.
Individual Protective Measures	
Eye / Face Protection	Safety glasses
Skin Protection	Chemical resistant (neoprene) gloves, coveralls and footwear
Respiratory Protections	Air purifying respirator fitted with appropriate cartridges

Section 9. Physical and Chemical Properties	
Appearance	Clear, colourless liquid
Odour	Mild chlorine odour
Odour Threshold	Not available.
pH	14 (neat)
Flash Point	> 100 °C
Boiling Point and Boiling Range	Decomposes at 40 °C
Melting Point and Freezing Point	Not determined
Evaporation Rate	Not determined
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	1.11
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	None known
Chemical Stability	Unstable above 40 °C
Possibility of Hazardous Reactions	It may react with aluminium with the liberation of flammable hydrogen gas
Conditions to Avoid	High temperatures. Exposure to light.
Incompatible Materials	Acids and metals

Safety Data Sheet

Hazardous Decomposition Products	<p>When heated to decomposition it emits acrid smoke, irritating fumes, chlorine, oxygen and oxides of sodium.</p> <p>Hypochlorites may react with primary amines to form nitrogen trichloride which explodes spontaneously in air. Hypochlorite bleach reacts with urea to form nitrogen trichloride which explodes spontaneously in air. Some metals accelerate the decomposition of Sodium hypochlorite – ie nickel, copper, tin, iron and its alloys, manganese.</p>
---	--

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Hypochlorite	8200mg/kg (Rat)	10000mg/kg (Rabbit)	No data
Potassium hydroxide	273 mg/kg (Rat)		
Likely Routes of Exposure			
Skin:	May be corrosive. May cause whitening or bleaching of the skin.		
Eyes:	Can cause irritation and damage to eyes.		
Inhalation:	May cause irritation of the upper respiratory tract.		
Ingestion:	May cause digestive tract disturbances. Can cause burns to the trachea and digestive tract.		
Acute Toxicity Estimates (ATE)	Not classified		
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Corrosive		
Serious Eye Damage / Irritation	Corrosive		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	Sodium hypochlorite – IARC Carcinogens – Group 3		
Reproductive Toxicity			
- Sexual function and Fertility	Not classified		

Safety Data Sheet

- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	Not classified
Other Information	None known

Section 12. Ecological Information

Ecotoxicity	Sodium hypochlorite LC50: 0.22 – 0.62 mg/L (Pimephales promelas) EC50: 0.095 mg/L (Skeletonema costatum) Potassium hydroxide LC50: Mosquito Fish – 80.0 mg/l
Persistence and Degradability	Will not persist
Bioacumulative Potential	Not available
Mobility in Soil	Not available
Other Adverse Effects	Harmful to aquatic life at low concentrations. Toxicity is primarily associated with its oxidant character.

Section 13. Disposal Considerations

Disposal Considerations	Dispose of contents / container in accordance with local regulations.
--------------------------------	---

Section 14. Transport Information

UN Number	UN1760
UN Proper Shipping Name	Corrosive Liquid N.O.S.
Transport Hazard Class(es)	8
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	154

Safety Data Sheet

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information	
NFPA Rating	Health-2/ Flammability-0/Reactivity-2/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-2/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	8 September, 2011
Date of Latest Revision:	21 January, 2016
Disclaimer	
Notice to reader	
<p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p> <p>Chemfax Products Ltd. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.</p>	