SAFETY DATA SHEET (SDS)

CLASSIK CHLORINATED DISHWASHING DETERGENT

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identification

Product name : *CLASSIK CHLORINATED DISHWASHING DETERGENT*

Other means of identification

Product ID : *A-02500A*

Product type : *Liquid*

Relevant identified uses

Recommended use : *For institutional use*

Restrictions on use : *All other uses than those indicated on the product label and technical data sheet.*

Details of the supplier of the safety data sheet

Supplier / Manufacturer : *Groupe CAM-J Inc.*
3750 Place LaFayette Est
Boisbriand, QC, J7H1N6
Tél : 450.430.1550
Fax : 450.430.1561

E-mail : *info@cam-j.com*

Emergency number

Emergency telephone number (with hours of operation) : *Poison Control Centre : 1-800-463-5060*
*CANUTEC : +1-613-996-6666 or *666 (cellphone)(24/7)*

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

SKIN CORROSION - Category 1B
EYE DAMMAGE - Category 1

GHS Label Elements

Hazard(s) pictograms : *GHS05*

Signal word : *Danger*

Hazard statements : ***H314 -*** *Causes severe skin burns and serious eye damage.*
H401 – *Toxic to aquatic life*

Precautionary statements

- **Prevention** : ***P260*** *- Do not breathe dust/fume/gas/mist/vapours/spray.*
P280 *- Wear protective gloves/protective clothing/eye protection/face protection.*
- **Response** : ***P264 -*** *Wash thoroughly after handling.*
P303 + P361 + P353 *- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing*
P304 + P340 *- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.*
P301 +P330 + P331 *- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.*
P310 *- Immediately call a POISON CENTER or doctor/physician.*
- **Storage** : ***P363*** *- Wash contaminated clothing before reuse.*
P405 *- Store locked up.*

- **Disposal** : ***P501 -*** *Dispose of contents and container in accordance with local, regional and national regulations.*

Other known hazards

Not additional information available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture

Substances : *Mixture*

Other means of identification : *Aqueous solution mainly composed by the following ingredients*

CAS number /other identifiers/ Mixtures

CAS number : *Not applicable*

Ingredient name	% (p/p)	CAS number
Sodium hydroxide	*5.0-10.0%*	*1310-73-2*
Sodium hypochlorite	*1.0-5.0%*	*7681-52-9*

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST-AID MEASURES

Description of necessary first aid measures

Eye contact : *Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.*
Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Inhalation : *Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.*

Skin contact : *Get medical attention immediately. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes.*

Ingestion : *Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.*

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : *Causes serious eye damage.*

Inhalation : *Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.*

Skin contact : *Causes severe burns.*

Ingestion : *May cause burns to mouth, throat and stomach.*

Over-exposure signs/symptoms

Eye contact : *Adverse symptoms may include the following:*
pain, watering, redness

Inhalation : *No known significant effects or critical hazards.*

Skin contact : *Adverse symptoms may include the following:*
pain or irritation, redness, blistering may occur

Ingestion : *Adverse symptoms may include the following:*
Stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	*Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.*
Specific treatments	:	*No specific treatment.*
Protection of first-aiders	:	*No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.*

See toxicological information (section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	:	*Carbon dioxide (CO_2), extinguishing powder, water spray or alcohol resistant foam.*
Unsuitable extinguishing media	:	*Do not use dry chemical extinguishing agents that contain ammonium compounds.*

Specific hazards arising from the chemical

Fire hazard	:	*In a fire or if heated, a pressure increase will occur and the container may burst.*
Hazardous thermal decomposition products	:	*Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides, chlorine; hydrogen chloride gas, oxygen, sodium dioxides*

Special protective equipment and precautions for fire-fighters

Special protective actions for fire-fighters	:	*Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any person risk or without suitable training.*
Special protective equipment for fire-fighters	:	*Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.*

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	*No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.*
For emergency responders	:	*If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".*

Methods and materials for containment and cleaning up

Methods for containment	:	*Stop leak if without risk. Move container from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.*
Methods for cleaning up	:	*No special collection methods required. Dispose of in accordance with all national and local regulations.*

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures	:	*Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a*

		compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	*Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.*
Conditions for safe storage, including any incompatibilities	:	*Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.*

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Limites d'exposition professionnelle

Ingrédients dangereux	Valeurs limites d'exposition
Sodium Hydroxide	**CA Quebec Provincial (Canada).** STEL : 2mg/m^3
Sodium Hypochlorite	**CA Quebec Provincial (Canada).** STEL : 2mg/m^3

Individual protection measures

General protection and hygiene measures	:	*Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.*
Eye/face protection	:	*Wear eye protection against chemical splashes.*
Hands protection	:	*Wear chemical-resistant, impervious gloves.*
Skin & body protection	:	*Wear appropriate protective clothing to prevent skin contact.*
Respiratory Protection	:	*None under normal conditions of use.*

SECTON 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state	:	*Liquid*
Color	:	*Colorless*
Odor	:	*Chlorine odor*
Odor threshold	:	*Not available.*
pH	:	*>13.0*
Melting point	:	*Not available.*
Freezing point	:	*Not available.*
Boiling point	:	*100^{o}C*
Flash point	:	*Not available.*
Evaporation rate	:	*Not available.*
Flammability (solid, gaseous):	:	*Not applicable.*
Lower and upper explosive (flammable) limits	:	*Not available.*
Vapor pressure	:	*Not available.*
Vapor density	:	*Not available.*
Relative density (g/ml)	:	*1.085-1.115*
Solubility	:	Complete in water
Partition coefficient: noctanol/water	:	*Not available.*

Auto-ignition temperature : *Not available.*
Decomposition temperature : *Not available.*
Viscosity : *Not available.*

SECTION 10. STABILITY ET REACTIVITY

Reactivity
No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability
The product is stable under normal conditions.
Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid
Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.
Incompatible materials
Reactive or incompatible with the following materials: acids.
Hazardous decomposition products
Carbon dioxide, carbon monoxide, metal oxide/oxides, chlorine; hydrogen chloride gas, oxygen, sodium dioxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Product/ingredient name	Result		Species	Exposure
Sodium hydroxide	Oral Dermal	DL50 DL50	Rat Rabbit	2400mg/kg >2000mg/kg
Sodium hypochlorite	Oral Dermal	DL50 DL50	Rat Rabbit	8200mg/kg 10000mg/kg

Sensibilization

There is no data available.

Mutagenicity

There is no data available.

Cancerogenicity

Classification

Product/ingredient name	OSHA	CIRC	NTP	ACGIH	EPA	NIOSH
Sodium hydroxide						
Sodium hypochlorite	-	-	-	-	-	-

Reproductive toxicity

There is no data available.

Teratogénicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Symptomes related to the physical, chemical and toxiological characteristics

Eye contact : Adverse symptoms may include the following: Pain, watering, redness

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following: pain or irritation, redness, blistering may occur

Ingestion : Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

SECTION 12. ÉCOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
Sodium hydroxide	*Acute LC50 196 mg/L (Aquatic)*	*Poecilia- P. reticulata- Guppy*	*96 hours*
Sodium hypochlorite	*Acute LC50 0.03-0.07 mg/L (Aquatic)* *Acute LC50 0.032-0.036 mg/L (Aquatic)*	*Trout – Fish* *Daphnia magna – Fish*	*96 hours* *48 hours*

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC) : *There is no data available*

Other adverse effects

No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste treatment methods : *Dispose of contents must be made according to local, state or national legislation. Do not allow to get into surface water, drains and ground water.*

Container disposal: : *Only empty containers could be recycled.*

SECTION 14. TRANSPORT INFORMATION

	TDG Classification	IMDG	IATA
UN number	UN3266	UN3266	UN3266
UN proper shipping name	Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Sodium hypochlorite)	Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Sodium hypochlorite)	Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Sodium hypochlorite)
Transport hazard class(es)	8 	8 	8 
Packing group	III	III	III
Environmental hazards	Yes	Yes	Yes
Additional information	Remarks : Limited quantity in 5L or less	-	-

Special precautions for user **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15. REGULATORY INFORMATION

Listes canadiennes

Canadian NPRI	:	*None of the components are listed.*
CEPA Toxic substances (Canadian Environmental Protection Act)	:	*None of the components are listed.*
Canada inventory	:	*All components are listed or exempted.*

SECTION 16. OTHER INFORMATION

History

Date of issue	:	*15/01/2018*
Version	:	*1*
Prepared by	:	*Groupe CAM-J inc.*
Key to abbreviations	:	*ATE = Acute Toxicity Estimate* *BCF = Bioconcentration Factor* *GHS = Globally Harmonized System of Classification and Labelling of Chemicals* *IATA = International Air Transport Association* *IBC = Intermediate Bulk Container* *IMDG = International Maritime Dangerous Goods* *LogPow = logarithm of the octanol/water partition coefficient* *MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)* *UN = United Nations* *HPR = Hazardous Products Regulations*

Notice to reader

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