SDS - Safety Data Sheet

ECA generated Hypochlorous Acid or Anolyte

CAS # 7790-92-3 Concentration: 500 ppm

Purpose: A Broad Spectrum Sanitizer for use on hard non-porous surfaces. Prepared by means of diaphragmatic electrolysis from aqueous 1 ~ 3 % sodium chloride (table salt) solution.

Section 1: Product and company identification

Technical Name: **ECA Generated Hypochlorous Acid or Anolyte**

Trade Name:

Sanera 500 Anolyte - Multi-Purpose Cleaner

NON HAZARDOUS CHEMICAL

NON TOXIC - ALL NATURAL

Date Prepared: **July 1, 2021**

WHMIS Classification: This product is not controlled under the WHMIS Controlled Products Regulations (CPR)

Manufacturer/Supplier:

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Section 2: Composition and information on the ingredients

ECA Generated Hypochlorous Acid or Anolyte contains active chlorine compounds such as HCLO and CLO- (C.ac in mg/l) in the range of 0.001-0.1%. The average/standard amount of active chlorine is ~0.02%. The solution contains no compounds as per the regulations for toxic compounds.

Active substances	CAS-No	EINICS-No	Wt/vol %	Symbols
Sodium Chloride	7647-15-5	231-598-3	0.025%	NaCl
Hypochlorous acid	7790-92-3	232-232-5	0.050%	HClO
Water	7732-18-5	231-791-2	99.925%	H_20

Section 3: Hazards identification

The solution is classified as non-dangerous accordingly
Main Hazards:
ECA generated Hypochlorous Acid or Anolyte in its strongest wet solution form may cause non harmful mild irritation to the eyes, sensitive skin and throat. Where the solution is stored in bottles one should not try to smell or inhale the evaporations.
Health effects Eyes:
ECA generated Hypochlorous Acid or Anolyte in its strongest wet solution form may cause non harmful mild irritation to the eyes.

Health effects Skin:
ECA generated Hypochlorous Acid or Anolyte in its strongest wet solution form may cause non harmful slight irritation to sensitive skin or open wounds.

Health effects Ingestion:
Swallowing of the solution in its strongest form may cause non harmful mild irritation to the throat and digestive tract.
Health effects Inhalation:
During generation of **ECA generated Hypochlorous Acid or Anolyte**, particularly its strong wet solution form, unless there is adequate ventilation there may be a buildup of fumes which may cause slight or very mild dizziness and nausea.

Section 4: First aid Measures

Eye contact:
Only and if irritation occurs flush with cool fresh water
Skin Contact:
Only and if irritation occurs wash the skin wash with soap and warm water
Ingestion:
Drink cool fresh water to flush through and dilute
Inhalation:
Remove at once to fresh air if dizziness and nausea persist seek medical attention

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Section 5: Fire Fighting Measures

There are no special requirements for **ECA generated Hypochlorous Acid or Anolyte**. It is not flammable

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Section 6: Accidental Release Measures

Personal precautions:
None.
Environmental precautions:
The solution is biodegradable and has a limited activation period so there are no potential risks to the environment.
Spillage:
Wipe up with disposable towels there are no special disposal instructions.

Section 7: Handling and Storage

Handling:
In the area where the solution is being produced there must be good ventilation. Preferably local exhaust ventilation. For those with very sensitive skin it may be advisable to wear gloves.
Storage:
Store in a cool dry ventilated area in sealed plastic containers and ensure the solution is correctly labeled

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Section 8: Personal Protection and Exposure Control

Engineering control procedures:
Where the solution is being generated on site some engineering solutions should be implemented to prevent the buildup of fumes particularly where productions facility has inadequate ventilation.
Mechanical fume extraction may be advised in this situation.
Documented process, safety controls and personnel protection where necessary, gloves, mask etc.
Respiratory Protection:
Where there is a high risk to fumes build up due to inadequate ventilation in a processing area a respirator should be worn.
Hand protection:
Where service personnel have sensitive skin, the strongest wet solution may cause mild irritation and therefore protective gloves should be worn.

Eye and facial protection: There are no requirements. Recommend splash goggles be worn when using
Body protection:
Normal industrial work wears to avoid exposed skin when handling neat strong solution.

Section 9: Chemical and Physical Properties

Physical state:	Liquid
Color and Appearance:	Clear, transparent liquid (like water)
Odour:	Chlorine odor depending on strength of the solution
Solubility in water:	Completely soluble
PH-values:	6.5 - 7.3
Melting-point:	0°C.
Boiling-point:	100°C.
Fire-focus:	N/A
Flammability:	None
Explosive:	N/A
Density:	app. 1,000 kg.m^3
Steam-pressure:	app. 2,330 Pa

Section 10: Stability and Reactivity

Stability:
Stable under all normal storage conditions.
Materials to avoid:
The solution does not react with other materials
Hazardous decomposition products:

None

Section 11: Toxicological Information

Acute toxicity:
Not toxic
Irritant-Eyes:
Although none has been reported data for related material suggests this could produce non harmful mild conjunctivitis eye irritation on direct wet solution contact with eyes. ***Important to Note*** that no conjunctivitis eye irritation has ever been noted and or recorded as a result of **ECA generated Hypochlorous Acid or Anolyte** solution which has been dried from a previously application surface and transferred to the eye by touch or by air movement
Irritant-Skin:
Although none has been reported data for related material suggests this may cause mild skin irritation on direct wet solution contact with skin. **Important to Note** that no skin irritation has ever been noted and or recorded as a result of **ECA generated Hypochlorous Acid or Anolyte** solution which has been dried from a previously application surface and transferred to the skin by touch or by air movement
Reproductive and developmental:
None known
Skin contact:
The possibility of should be considered
Chronic toxicity/Carcinogens:
None
Human Data:
Although none has been reported data for related material Inhalation may cause non harmful slight respiratory irritation

Section 12: Environmental Information

Eco toxicity:
Destroys bacteria, viruses, spores and algae
Degradability and Persistence:
Fully Biodegradable
Bio-accumulation: None
Mobility: None

Section 13: Disposal Procedures

There are no special disposal procedures.

Section 14: Transport procedures

Not classified as hazardous for transport

Section 15: Regulatory Information

TSCA No.: All active ingredients in this product are listed on the EPA TSCA Inventory List
CERCLA/SARA: This product has been reviewed according to the EPA "Hazard Categories" under Section 311 and 312 of SARA. It does not fall into any listed category and poses no risk of immediate Acute) health hazard, delayed (chronic) health hazard, or sudden release of pressure and is not reactive (29CFR1910.1200)
OSHA Hazard Communication Standard: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR1910.1200
WHMIS Classification: This product is not controlled under the WHMIS Controlled Products Regulations (CPR)

Section 16: Other Information

ECA generated Hypochlorous Acid or Anolyte is not a chemical but is a solution made from all natural ingredients which are non-toxic and non-hazardous therefore not subject to WHMIS Controlled Products Regulations. **ECA generated Hypochlorous Acid or Anolyte** Electrolyzed Water is made by passing an electric current through a solution of water and a small amount of salt (approx. 0.02~ 0.03 %) in a process known as electrolysis. **ECA generated Hypochlorous Acid or Anolyte** is composed of NaOCl generated in the water electrochemically. The active ingredient Hypochlorous acid is an approved substance by EPA, FDA and Health Canada for application to hard non-porous surfaces. On food contact surfaces it is to be used at 200 ppm or less Therefore the information presented within this Safety Data Sheet was written based upon our general knowledge and it is intended to describe the product for the purpose of health and safety requirements only.

NFPA Rating	
NFPA health hazard	0 - None
NFPA fire hazard	0 - None
NFPA reactivity	0 - Normally stable
NFPA Specific Hazard	0 - None



HMIS Rating	
Health	0 - None
Flammability	0 - None
Physical	0 - None

Personal Protection	A - Splash Goggles

For Contact information call 289-686-9753 or visit the website www.saneracanada.com

Data provided in this safety data sheet has to be accessible to everyone whose work is connected with the chemical material, preparation. Data correspondence is our possessed knowledge and is meant to describe chemical material, aspects of occupational safety and health, environment protection.

Information of safety data sheet will be replenished when new data on effects of chemical material, preparation on health and environment, on preventive measures to reduce hazards or totally avoid them originates.

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None