



SALTWATER BIOCIDES

SAFE SUSTAINABLE SANITATION

SAFETY DATA SHEET

ANOLYTE

HMIS Hazard Rating: Health = 1 Flammability = 0 Physical = 0 Reactivity = 0

0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

Section I – General Information

Product Name: Anolyte Sanitizer/Disinfectant
Product Description: Electro-chemically activated solution of sodium chloride (0.9% or less)
CAS#: None (Mixture)
Manufacturer: Saltwater Biocides, Inc
Address: Vancouver, WA
PhoneNo: (360) 718-3488

For Information on Health Hazards call: (360) 718-3488
For Product Sales Information call: (360) 718-3488
Hour Emergency Information call: (800) 349-8171
Chemtec Emergency Number: (800) 424-9300
Preparation Date (or latest revision): October 1, 2018
Prepared by: Saltwater Biocides, Inc

Section II – Composition and Information on Ingredients

Component(s)	CAS #	% wt.
Water	None	≥99%
Hypochlorous acid	7790-92-3	≤0.05%

The Product contains no hazardous components.

The Product contains 500± ppm Free Available Chlorine (FAC).

Toxicity and exposure limits to Chlorine:

TLV/TWA: 1 ppm (3 mg/cubic meter)

TLV/STEL: 3 ppm (9 mg/cubic meter)

Acute Oral LD₅₀ in rats g/kg 0.73;

Dermal LD₅₀ in rats g/kg 1.26 – 2.0

Section III – Physical and Chemical Properties

Physical State:	Liquid
Boiling Point(°C):	100°C
Melting Point/Range:	NA
Flash Point(°C):	NA (Nonflammable)
Vapor Pressure (mm Hg @ 20°):	NA
Vapor Density (Air=1):	ND
Specific Gravity H₂O=1):	1.00 – 1.06g/ml
Density:	8.34lbs./gal
Appearance / Color/Odor:	Clear, with a faint chlorinous/ozonousodor
Evaporation Rate:	Comparable to water
Solubility in Water:	Complete
pH:	6.3 –6.8

Section IV – Fire and Explosive Hazard Information

Not flammable or explosive.

Section V – Health Effects Information

Under normal use conditions the likelihood of any adverse health effect is low.

Exposure Limits: No exposure limits established for the Product by ACGIH or OSHA.

Skin Contact: If any irritation occurs, wash affected area with water.

Eye Contact: If irritation occurs, flush eyes with water.

Ingestion: Drink an 8-oz. glass full of water.

Inhalation: If breathing problems develop, move away from Product and into fresh air.

Medical conditions generally recognized as being aggravated by exposure to Product: NA

Primary route(s) of exposure: Inhalation of Product vapors or fumes is the most common route of exposure in occupational settings.

Developmental/Reproductive Toxicity: No conclusion has been made based on human and animal studies.

Carcinogenicity: No conclusion on the carcinogenicity of chlorine has been made based on the limited information available from human and animal studies. Neither the Product nor any of its constituents are listed in the latest NTP Annual Report on Carcinogens or has been found to be a potential carcinogen in the latest IARC Monograph or by OSHA.

Cytogenecity: Product does not possess cytogenetic activity based on the test results on chromosome induction operations in the bone marrow cells of mice.

Section VI – Reactivity Data

Stability: Loses its level of available chlorine at high temperatures and when exposed to direct sunlight.

Conditions to Avoid: Avoid accidental or uncontrolled contact of Product with acids and hydrogen peroxide.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Will not occur.

Section VII – Spill, Leak, and Disposal Procedures

Product is $\leq 0.9\%$ sodium chloride (salt) solution and $\leq 0.05\%$ available chlorine. Some localities allow such concentrations to be sent to open storm sewers; however local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate.

Section VIII – Control Measures/Personal Protective Equipment

No personal protective equipment is required under normal conditions. The following suggestions should be considered in case of accidental chlorine release due to acidification.

Ventilation: Open air or good room ventilation is normally adequate for the safe use of the Product. Avoid breathing any vapors or fumes resulting from acid ventilation.

Respiratory Protection: In accordance with OSHA regulations (29 CFR 1910.134 and 29 CFR 1910.1000) fogging or spraying applications may require worker respiratory protection, such as (1) NIOSH/MSHA approved air-purifying respirators, or (2) NIOSH/MSHA approved canister/cartridge facial respirators for chlorine/acid vapors.

Eye Protection: Although Product is designed to be safe for eyes, good manufacturing and laboratory practices recommend the use of chemical safety goggles for all applications involving chemical handling.

Protective Clothing: Although Product is designed to be safe for skin, good manufacturing and laboratory practice recommend that, at a minimum, rubber, neoprene, or other chemically impervious gloves be worn for all applications involving chemical handling.

Section IX – Transportation Information

OSHA Label: None Required.

DOT Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, RQ (If needed): Not DOT Regulated. No DOT label required.

Section X – Regulatory Information

TSCA No: All chemicals in this Product are listed on the EPA TSCA Inventory list.

CERCLA/SARA: This Product has been reviewed according to the EPA “Hazard Categories” promulgated under Section 311 and 312 of SARA. It does not fall in any listed category and poses no risk of immediate (acute) health hazard, delayed (chronic) health hazard, fire hazard, or sudden release of pressure and is not reactive (see 29 CFR § 1910.1200).

OSHA Hazard Communication Standard: This product is not a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Clean Air Act: NA.

Product Label Text Hazard Information:

- Avoid contact with eyes and skin • Wash hands after handling Product
- Refer to MSDS • KEEP OUT OF THE REACH OF CHILDREN

Section XI – Disclaimer

This Material Safety Data Sheet (MSDS) was prepared in accordance with the provisions and requirements of 29 CFR § 1910.1200(g) and discloses the physical and health hazards of all hazardous chemicals contained in the Product described in this MSDS, but unless otherwise noted, does NOT describe or disclose ALL the chemicals/components in the Product, some of which may be Trade Secrets.

The information included in this MSDS is based on data developed or compiled by Saltwater Biocides, Inc from open literature, independent laboratory studies, and other available scientific evidence and is believed to be accurate and complete, but Saltwater Biocides, Inc makes no warranty with respect thereto. **Neither does Saltwater Biocides, Inc make any representation or warranty, express or implied, with respect to the Product or its suitability for any purpose or use, hereby disclaiming all such warranties, including the implied warranties of merchantability and fitness for a particular purpose and the implied warranty that the Product is free of claims of third persons by way of infringement or the like.** Anyone intending to use the Product described in this MSDS should satisfy himself that the Product (1) is suitable for their particular purposes and intended uses, and (2) meets any safety and health standards applicable thereto. It is the obligation of each user of the Product described in this MSDS to determine and comply with the requirements of all statutes – local, state and federal – applicable to its use, storage and disposal.

Section XII – Symbols

ACGIH = American Conference of Governmental Industrial Hygienists
ASTMI = American Society for Testing and Materials International
CAS # = Chemical Abstracts Service Register number
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
CL = Ceiling Limit
IARC = International Agency for Research on Cancer
NIOSH = National Institute for Occupational Safety and Health Hygienists
NA = No Applicable Information
ND = Not Determined
NFPA = National Fire Protection Association
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration
OSHA, TWA = Occupational Safety and Health Administration, Time Weighted Average
PMCC = Pensky - Martens Closed Cup Flash Point Determination
SARA = Superfund Amendment and Reauthorization Act of 1986
STEL = Short Term Exposure Limit
TCC = Tagliabue Closed Cup flash point determination
TLV = Threshold Limit Value
TWA = Time Weighted Average, 8 hours

Section XIII – Additional Information/Comments

Anolyte was designed to be a less hazardous biocidal agent than others currently in use.