EnviroNize
Making things better naturally
ANOLYTE

SDS - Safety Data Sheet

EnviroNize® ANK-Neutral Anolyte (91/155/EWG)

Purpose: Broad spectrum, DIN Registered disinfectant for use on hard non-porous surfaces. Prepared by means of diaphragmatic electrolysis from aqueous 2 ~ 3 gpl sodium chloride (table salt) solution.

ANK-Neutral Environize Anolyte is not a chemical but is a solution made from all-natural ingredients, which is rated non-hazardous and therefore not subject to WHMIS Controlled Product Regulations (CPR).

NON HAZARDOUS CHEMICAL
NON TOXIC - ALL NATURAL

Section 1: Product and company identification

Technical name: **ANK-Neutral Anolyte or Anolyte**

Trade names:

EnviroNize® Anolyte - Multi-Use Disinfectant

Date Prepared: **July 1, 2021**

Manufacturer/Supplier:

PJ Holdings Corp.
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Section 2: Composition and information on the ingredients

ANK-Neutral EnviroNize® 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, 05%. The solution contains no compounds as per the regulations for toxic compounds (67/548/EWG)

Active substances	CAS-No	EINICS-No	Wt/Wt %	Symbols
Sodium Chloride	7647-14-5	231-598-3	0.16%	NaCl
Hypochlorous acid	7790-92-3	232-232-5	0.0338%	HClO
Water	7732-18-5	231-791-2	99.8062%	H_20

Section 3: Hazards identification

The solution is classified as non-dangerous accordingly (88/279/EWG)
Main Hazards:
ANK-Neutral EnviroNize® Anolyte in its strongest wet solution form *(C.ac >500mg/l)* 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. No known occurrences have ever been reported
Health effects Eyes:
ANK-Neutral EnviroNize® Anolyte in its strongest wet solution form may cause non harmful mild irritation to the eyes. No known occurrences have ever been reported
Health effects Skin:
ANK-Neutral EnviroNize® Anolyte in its strongest wet solution form may cause non harmful slight irritation to sensitive skin or open wounds. No known occurrences have ever been reported

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 **ANK-Neutral EnviroNize® 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. No known occurrences have ever been reported

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

Section 5: Fire Fighting Measures

There are no special requirements for **ANK-Neutral EnviroNize® Anolyte**. It is non-flammable

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

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:	5.0 ~ 7.5
Melting-point:	0°C.
Boiling-point:	100°C.
Fire-focus:	N/A
Flammability:	None
Explosive:	N/A
Density:	app. 1,000 kg.m^3
Vapour 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
Warnings:
Do not mix with any other janitorial, industrial, or household cleaning or sanitation products. EnviroNize® Anolyte does react over long periods of time with some metals. Care should be taken to prevent prolonged metals immersion or constant "wet" exposure unless the metals has been approved for contact with hypochlorous acid.

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 **ANK-Neutral EnviroNize® Anolyte** solution which has been dried from a previously disinfectant 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 **ANK-Neutral EnviroNize® Anolyte** solution which has been dried from a previously disinfectant 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:
Non-Toxic to any form of life: plant, animal, marine or human
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 (29CFR 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
Health Canada: DIN # 02410605

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

Section 16: Other Information

ANK-Neutral EnviroNize® Anolyte is not a chemical but is a solution made from all natural ingredients which is non-toxic and non-hazardous therefore not subject to WHMIS Controlled Products Regulations (CPR). **ANK-Neutral EnviroNize® 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. **ANK-Neutral EnviroNize® 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 disinfection of 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 519 472-1441 or visit the website www.environize.ca

Data provided in this safety data sheet must 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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