

MATERIAL SAFETY DATA SHEET

EKOKLEEN
KILLS VIRUSES, BACTERIA & FUNGI
DISINFECTANT



PRODUCT: S1 NEUTRAL ANOLYTE (pH = 7.0±0.5, ORP = >750mV)

SECTION I. PRODUCT IDENTITY

Chemical Name:	Electrically Activated Neutral Anolyte		
Common name:	Neutral Anolyte, ACTSOL™		
Product Type:	Oxidising disinfectant		
Composition:			
Ingredient	CAS-No.	EINECS-No	Weight / Volume %
Water	7732-18-5	231-791-2	99.80%
Sodium chloride	7647-15-5	231-598-3	0.2%
After Activation:			
Hypochlorous Acid	7790-92-3	232-232-5	<200 ppm Oxidants
Hypochlorite ion	7681-52-9	31-668-3	<170 ppm
Ozone	10028-15-6	233-069-2	<25 ppm
Chlorine dioxide	10049-04-4	233-233-0	<2.5 ppm

The activated mixed oxidants are in disequilibrium immediately after activation, and gradually revert to the primary ingredients.

Radical Waters Product code: S1- AN

SECTION 2. COMPOSITION

This product is a preparation of Potable Water and Food grade Salt (Sodium Chloride)
Chemical Nature of the product – Weak Acid

SECTION 3. HAZARD IDENTIFICATION

Emergency overview

Physical Appearance:	Colourless liquid
Immediate concerns:	No hazard expected under normal conditions of use.
Dangerous components of the product:	Identification: - None Danger Symbol:- None

SECTION 4. FIRST AID MEASURES

Signs and symptoms of poisoning:	None detected – refer to water intoxication
First-Aid procedures:	Non-specific. Use good personal hygiene practices.
Skin contact:	Remove contaminated clothing including shoes immediately and drench affected skin with plenty of water. Seek medical attention if irritation develops and persists. Wash contaminated clothing and shoes before reuse.
Eye contact:	Immediately flush eyes with copious quantities of water for several minutes. Seek medical advice if irritation persists.
Ingestion:	Do not induce vomiting: give plenty of water to drink. Seek medical assistance if ill effects occur.
Inhalation:	Remove patient to fresh air – Seek medical assistance if ill effects occur.
Emergency antidote:	None

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media suitable:	Chemical type foam, Powder, Sand, water spray
Hazardous combustion products:	Oxides of Chlorine
Hazards and methods:	General hazard – evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes or smoke.
Protection of fire fighters:	
Flammability:	Neutral Anolyte is not inflammable
Special fire-fighting procedures:	This product is a non-flammable substance.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spillages:	Leaks and spills can be removed in accordance with methods employed for ordinary water. Wash to waste with plenty of water.
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SECTION 7. HANDLING AND STORAGE

Handling concentrated product:	No special precautions necessary
Handling or applying diluted product:	No special precautions necessary
Storage:	Optimal efficacy of the product will be prolonged if Neutral Anolyte is stored away from direct sunlight and in sealed, airtight opaque or tinted glass containers
Other precautions:	Keep out of reach of uninformed persons, children and animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear safety glasses when handling this material. Avoid prolonged contact with the skin. Use good personal hygiene practices.	
MEDICAL ADVICE:	Neutral Anolyte has been extensively tested in animals, and poses no threat to the welfare of the operator or test animal.