

**SECTION 1: IDENTIFICATION**

Product identifier used on the label	ZYON
Recommended use of the chemical and restrictions on use	General Cleaner
Manufactured by	EVC INDUSTRIAL LTDA
Address	Rua Luis Francisco Xavier n.º 520 Paupina - Fortaleza, CE
Telephone number	+55 0800 591 6496
Fax	Not available
Emergency phone number	+55 0800 591 6496
Email	sac@vonixx.com.br e info@vonixx.com
Web site	www.vonixx.com.br

SECTION 2: HAZARD(S) IDENTIFICATION**2.1 Classification of mixture**

Hazardous to the aquatic environment - Chronic (Category 3)

2.2 Appropriate labeling elements

Hazard pictograms	Not applicable
Signal word	Caution
Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	

Prevention

P273 Avoid release to the environment.

disposition

P501 Dispose of the content and recipient in accordance with the At an approved on-site treatment facility, at an approved waste treatment facility expenses.

2.3 Other hazards that do not result in classification

Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Mixture****Hazardous Ingredients or Impurities**

Common chemical name or technical name	CAS Registration Number	Concentration or range
Water	7732-18-5	90% - 95%
Ethoxylated Nonylphenol (Ultralex 95)	9016-45-9	1% - 5%
Butoxyethanol	111-76-2	1% - 5%
Sodium tripolyphosphate	7758-29-4	1% - 3%
Cocamide DEA	68603-42-9	1% - 3%
Disodium metasilicate	6834-92-0	0.1% - 1%
Essence	Not available	0.108% - 0.132%
Isothiazolinones	26172-55-4	0.027% - 0.033%
Dye	Not available	0.00072% - 0.00088%

**SECTION 4: FIRST-AID MEASURE****4.1 Description of first aid measures**

Inhalation	Remove victim to fresh air.
Skin contact	Wash exposed skin with sufficient amount of water to remove material.
Eye contact	Wash with plenty of water. Consult an ophthalmologist.
Ingestion	Do not induce vomiting. Rinse victim's mouth with plenty of water. See a doctor.

4.2 Most important symptoms/effects, acute and delayed

It causes moderate skin irritation with redness and dryness.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Use water mist, alcohol resistant foam, carbon dioxide (CO₂) or dry chemical powder. Do not apply water jets directly.

5.2 Special hazards arising from the substance or mixture

Combustion of the chemical or its packaging can form irritating and toxic gases such as monoxide and carbon dioxide.

5.3 Special protective equipment and precautions for fire-fighters

Positive pressure self-contained breathing apparatus (SCBA) with full protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment, and emergency procedures****6.1.1 For personnel who are not part of the emergency services**

Wear protective equipment. Isolate and flag the area. Do not smoke. Avoid contact with the product.

6.1.2 For emergency service personnel

Wear appropriate protective equipment. Keep unauthorized persons away.

6.2 Environmental precautions

Isolate the area. Prevent the spread of spilled material. Prevent spilled material from reaching waterways and sewers. Leaks should be reported to the manufacturer and / or environmental agencies.

6.3 Methods and materials for containment and cleaning up

Isolate spill or leak area to a radius of 50 meters at least in all directions. Use natural dikes or barriers to contain product leakage. Absorb with inert absorbent material (sand, diatomite, vermiculite). If it is possible to seal the leak by using bungs, sealing tape or by inverting the hole / tear / dent up. Collect all material in suitable, properly labeled containers for later treatment and disposal. Waste must be disposed of in accordance with Local, State or Federal environmental legislation. For transshipment check an appropriate location and perform the safety procedures described above.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handle in a well-ventilated area or general local exhaust / ventilation system. Avoid formation of vapors and mists. Avoid contact with incompatible materials. Adopt personal protective measures. Observe the expiration date. Do not reuse the empty package. Do not wash containers in lakes, fountains, rivers and other bodies of water. Do not eat, drink or smoke while handling the product. Wash after handling, especially before meals. After work, remove protective clothing and bathe.

7.2 Conditions for safe storage, including any incompatibilities

Store in covered, dry and well-ventilated area. Protect packaging from physical damage. Keep container tightly closed when not in use. Keep away from incompatible materials, odorous or toxic substances.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

Appropriate engineering controls

Provide local exhaust or general ventilation in the work area to minimize vapor concentration. Eye wash supplies and emergency safety showers should be available in the immediate vicinity of any potential exposure.

Butoxyethanol (111-76-2)						
ACGIH	TWA: Not available (mg/m ³)	TWA: 20 ppm	STEL: Not available (mg/m ³)	STEL: Not available (ppm)	(C): Not available (mg/m ³)	(C): Not available (ppm)

8.2 Exposure controls

Biological Limit (s)

Not available

8.3 Personal protective equipment

Eye/face protection

Eye protection (wide vision safety glasses).

Skin and body protection

Apron. Safety shoes. Gloves.

Respiratory protection

Respiratory protection mask.

Thermal hazards

There are no thermal hazards related to this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Liquid fluid-solution, Green.
Odor and odor threshold	Sweet
pH	10 to 11
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1 to 1.02 g/cm ³ to 25 °C
Solubility(ies)	Miscible in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Kinematic viscosity	Not available
Dynamic viscosity	Not available
Additional information	Not available

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity	Not available
Chemical stability	The product is chemically stable under standard ambient conditions.
Possibility of hazardous reactions	Not available
Conditions to avoid	High temperatures.
Incompatible materials	Not available
Hazardous decomposition products	No known hazardous products of decomposition

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available
Skin corrosion/irritation	It causes moderate skin irritation with redness and dryness.
Serious eye damage/eye irritation	Not available
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	Not available
Toxicity to reproduction	Not available
Specific target organ toxicity - single exposure	Not available
Specific target organ toxicity - repeated exposure	Not available
Aspiration hazard	Not available

SECTION 12: ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

Ingredient	Ecotoxicity Type	Information regarding			Species	Dose
		Period	test			
Ethoxylated Nonylphenol (UltraneX95)	EC ₅₀ (crustaceans)	48 hour(s)	In vitro		Daphnia magna	1.821 mg/L
	CE ₅₀ (algae and other aquatic plants)	48 hour(s)	In vitro		Pseudokirchneriella subcapitata (Selenastrum capricornutum)	20 mg/L

12.2 Persistence and degradability

Due to the lack of data, the product is expected to be persistent and not rapidly degradable.

12.3 Bioaccumulative potential**Ethoxylated Nonylphenol (UltraneX 95)**

Partition coefficient n-octanol /water (log Kow): 3.7 to 25 °C.

Butoxyethanol

Partition coefficient n-octanol /water (log Kow): 0.83 to 20 °C.

12.4 Mobility in soil

Not available

12.5 Other adverse effects

Not available

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product	Treatment and disposal procedures should be evaluated individually for each product. Existing federal, state and local laws should be consulted.
Rest of the product	Keep the remains of the product in their original packaging and properly sealed. Disposal must be performed as established for the product.
Used packaging	Do not reuse empty packaging. These may contain product debris and should be kept closed and shipped for proper disposal as established for the product.

SECTION 14: TRANSPORT INFORMATION

Ground transportation	UN - "United Nations" Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations
Maritime transport	Rules of maritime authority (NORMAM). NORMAM 01/DPC: vessels employed in open sea navigation. NORMAM 02/DPC: vessels employed in interior navigation. IMO - "International Maritime Organization". International Maritime Dangerous Goods Code (IMDG Code).
Air transport	SUPPLEMENTARY INSTRUCTION - IS. ICAO "International Civil Aviation Organization" - Doc 9284-NA / 905. IATA - "International Air Transport Association". Dangerous Goods Regulation (DGR).
UN number	Product not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

29 CFR 1910.1200, Hazard Communication
29 CFR 1910.272, Grain Handling Facilities
Regulation 1272:2008: GHS, United Nations, 3th Revised Edition, 2009
UN Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations, 19th Edition, 2009.
Globally Harmonized System of Classification of Chemicals (GHS), 5th Edition, 2013

SECTION 16: OTHER INFORMATION



References

REACH: REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS. Commission Regulation (EC) No 1272/2008 of December 2008 amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals. Available in: . Access in: 02/10/2026

ECHA: EUROPEAN CHEMICAL AGENCY. Available in: Access in: 02/10/2026

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2024. Access in: 02/10/2026

NR15: MINISTÉRIO DO TRABALHO E EMPREGO (MTE). Norm Regulamentadora (NR) n°15: Atividades e operações insalubres. Brasília, DF. Abr. 2022. Access in: 02/10/2026

NR7: MINISTÉRIO DO TRABALHO E EMPREGO (MTE). Norm Regulamentadora (NR) n°7: Programa de controle médico de saúde ocupacional. Brasília, DF. Jan. 2022. Access in: 02/10/2026

GHS: GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 10th rev. ed. New York and Geneva: United Nations, 2023. Access in: 02/10/2026

Subtitles and abbreviations

EC50 - Effective Concentration 50%

CAS - Chemical Abstracts Service

LC50 - Lethal Concentration 50%

LD50 - Lethal dose 50%

UN - United Nations

LEI - Lower Explosive Limit

LES - Upper explosion limit

LT - Tolerance limit

CEr50 - Effective Concentration in Reproduction 50%

BCF - Bioconcentration factor

TWA - Weighted average

STEL - Short-term limit

(C) Ceiling - Ceiling value

Other information

This SDS has been prepared on the basis of current knowledge on the proper handling of the product and under normal conditions of use, according to the application specified on the package. Any other use of the product that involves its combination with other materials, in addition to forms of use other than those indicated, are the responsibility of the user. It is advised that the handling of any chemical substance requires prior knowledge of its hazards by the user. At the workplace, the company that uses the product should promote the training of its employees regarding the possible risks arising from exposure to the chemical.