

**SECTION 1: IDENTIFICATION**

Product identifier used on the label	Alumax
Recommended use of the chemical and restrictions on use	Alumax is an acidic descaler, developed for cleaning wheels, chassis, engines, aluminum cases, stainless steel and wooden bodies. It is a concentrated and economical product in its use, acting on the dirt and removing all the adhered surface layer.
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**

Acute toxicity - Oral (Category 3)
 Acute toxicity - Dermal (Category 2)
 Acute toxicity - Inhalation (Category 1)
 Skin corrosion/irritation (Category 1A)
 Serious eye damage/irritation (Category 1)

2.2 Appropriate labeling elements

Hazard pictograms	
Signal word	Caution
Hazard statements	H301 Toxic if swallowed. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H330 Fatal if inhaled.
Precautionary statements	Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection. Emergency P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302 + P352 IF ON SKIN: Wash with plenty of soap and water.



P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P320 Specific treatment is urgent (see ... on this label).
 P321 Specific treatment (see supplementary specific first aid instructions on this label).
 P330 Rinse mouth.
 P363 Wash contaminated clothing before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.

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	This product is not hazardous as defined under OSHA 1900.1200
Acidificante	7664-93-9	1% - 5%	
Industrial Secret 1	Not applicable	1% - 5%	H301; H314; H318
Acidificante	7647-01-0	2.25% - 2.75%	

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. If vomiting occurs naturally, tilt victim to avoid risk of tracheobronchial aspiration of ingested material.

4.2 Most important symptoms/effects, acute and delayed

Toxic if swallowed, fatal in contact with skin and fatal if inhaled. Causes severe skin burns with pain, blistering and peeling. Causes serious eye damage with burning, tearing and pain.

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.

Sulfuric acid (7664-93-9)						
ACGIH	TWA: 0.2 mg/m ³	TWA: Not available (ppm)	STEL: Not available (mg/m ³)	STEL: Not available (ppm)	(C): Not available (mg/m ³)	(C): Not available (ppm)
Hydrochloric Acid (HCl) (7647-01-0)						
ACGIH	TWA: Not available (mg/m ³)	TWA: Not available (ppm)	STEL: Not available (mg/m ³)	STEL: 2 ppm	(C): Not available (mg/m ³)	(C): 2 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 viscous, Purple.
Odor and odor threshold	Distinctive
pH	Not available
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	≥ 0.98 to 1.02 g/cm^3 to $25 \text{ }^\circ\text{C}$
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	Not available
Possibility of hazardous reactions	Not available
Conditions to avoid	High temperatures.
Incompatible materials	Not available
Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available
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Skin corrosion/irritation	Causes severe skin burns with pain, blistering and peeling.
Serious eye damage/eye irritation	Causes serious eye damage with burning, tearing and pain.
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**

Not available

12.2 Persistence and degradability

The product is expected to be non-persistent and rapidly degradable.

12.3 Bioaccumulative potential

Not available.

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
UN number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Class	8
Subsidiary risk class or subclass	N/A



Risk number	88
Packing group	II
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).
UN number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Class	8
Subsidiary risk class or subclass	N/A
EmS	N/A
Packing group	II
Danger to the environment	The product is not considered a marine pollutant.
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	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Class	8
Subsidiary risk class or subclass	N/A
Packing group	II

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	NIOSH: NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY AND HEALTH. International Chemical Safety Cards. Available in: Access in: 03/04/2026 ECHA: EUROPEAN CHEMICAL AGENCY. Available in: Access in: 03/04/2026 LevelOne: Level One Solutions Consultoria Ltda. Available in: https://www.levelonesolutions.com.br . Access in: 03/04/2026
Subtitles and abbreviations	Not available

Hazard statements referring to codes listed in section 3

H318 Causes serious eye damage



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.
