

SAFETY SHEET Resolución 350/99- SENASA

✓ Ako **Boro**®

1. Product and Manufacturer Information

Product AKO BORO™. Boron
10% Reaction on the ground: Neutral

- 1.1. Manufacturer: AKO SRL – Parque Pyme Villa Allende- Elpidio Gonzales N° 1100- Villa Allende- Province of Córdoba Tel. +54 03543434628
- 1.2. Chemical name: N/A.
- 1.3. CAS N°: Mash
- 1.4. Usage: Foliar Fertilizer
- 1.5. SAGPyA SENASA Registration Number: 18583

2. Risk classification

- 2.1. Flammability: Non-flammable
 - 2.2. Toxicological classification: N/A.
- Health risk: 0 Fire risk: 0 Reactivity: 0
Based on the National Paint & Coating Association (NPCA) Hazard Classification HMIS System.

3. Physical and chemical properties

- 3.1. Physical aspect: liquid
- 3.2. Color: colorless.
- 3.3. Odor: slightly ammoniacal.
- 3.4. Vapor pressure: N/A.
- 3.5. Melting point: N/A.
- 3.6. Boiling point: N/A.
- 3.7. Solubility in water (20°C): 100% soluble
- 3.8. Decomposition temperature: N/A.
- 3.9. Density (25°C): 1.35g/ml
- 3.10. pH maximum dose of use: 8.6

4. First aid

- 4.1. Inhalation. If symptoms develop, remove the person from the contaminated area to fresh air. Keep hallways clear.
- 4.2. Skin. Wash the affected area with plenty of soap and water, wash clothing before reuse. If irritation occurs, seek medical attention immediately.
- 4.3. Eyes. Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids to thoroughly flush the entire eye and connective tissue. Get medical attention immediately.

4.4. Ingestion. Immediately call a Poison Center to consult the decontamination, supplying the data on the composition of the product and the patient's condition and/or take him to the nearest place of care. After decontamination, place the patient in a warm place and in a lateral position if unconscious, to avoid possible aspiration of vomitus. Do not induce vomiting.

Instructions for the doctor. No specific antidote is known. Apply symptomatic therapy.

5. Firefighting measurements

5.1. Extinguishing media. Water, CO₂, Dry powder fire extinguisher.

Combustion products: Fireproof, but in the vicinity of a heat source of high temperatures it decomposes into toxic and/or flammable gasses, ammonia and nitrogen oxides.

5.2. Specific fighting procedures. Wear butyl clothing and boots, wear suits with assisted breathing equipment.

6. Handling and storage

6.1. Personal precaution measurements. Wash your hands after touching the product.

Respiratory protection: Those required by working conditions. Wear a OSHA o NIOSH approved respirator if required.

Ventilation: General ventilation is usually adequate. A local exhaust ventilation system must be used to keep the work environment safe and comfortable. Skin and eyes

protection: Wear safety goggles under any handling condition of the product. Wear butyl rubber gloves under any handling condition of the product. Wear suits that completely cover the whole body. Other control measures: Eyes and body wash facilities should always be available. Clean yourself completely after handling the product. Do not smoke when handling chemicals.

6.2. Storage. Keep containers tightly closed and away from oxidizing agents. Store only in original containers:

Cubes (PVC), Cores (Polyethylene) y Bulk Tanks (Polyethylene). Bulk products must be stored in Polyethylene tanks with PVC accessories. Normal conditions for containers, cylinders and pails are satisfactory. Do not use aluminum, copper or bronze containers, pipes and pumps. The product freezes below 0°C.

7. Stability and reactivity

7.1. Stability. Stable under normal conditions of handling and storage.

7.2. Reactivity. Not reactive.

7.3. Incompatibility with other substances: Chlorine, hypochlorite, metallic powders of Cd, Cu, Pb, Ni, Co, Bi, Cr, Mg, Zn, Al.

7.4. Corrosivity: Corrodes yellow metals: bronze, copper, brass.

8. Toxicological information

8.1. Inhalation. May be harmful if inhaled, and may cause upper respiratory tract irritation.

8.2. Eyes. Causes irritation.

8.3. Skin. It could be dangerous if it's absorbed by the skin. May cause irritation.

8.4. Ingestion. May be harmful if ingested.

- 8.5. Acute toxicity. N/A.
- 8.5.1. Oral DL 50. N/A.
- 8.5.2. Dermal DL 50. N/A.
- 8.5.3. Inhalation CL 50. N/A.
- 8.5.4. Skin irritation N/A.
- 8.5.5. Skin sensitization. N/A.
- 8.5.6. Eye irritation. N/A.
- 8.6. Subacute toxicity. N/A.
- 8.7. Chronic toxicity. N/A.
- 8.8. Mutagenesis. The components of the product are not reported for mutagenic effects in animals or humans.
- 8.9. Carcinogenicity: None of the components are carcinogenic according to CPDB, IARC, NTP, OSHA, CAL/OSHA and ACGIH.
- 8.10. Teratogenicity: The components of the product are not reported for teratogenic effects in humans.
- 8.11. Reproductive Toxicity: Product components are not reported for reproductive toxicity effects in humans.

9. Ecotoxicological information

- 9.1. Acute effects on aquatic organisms and fish. N/A.
- 9.2. Bird toxicity. N/A.
- 9.3. Bee toxicity. N/A.
- 9.4. Persistence in soil. N/A.
- 9.5. Control effect. N/A.

10. Emergency actions

- 10.1. Spills. Pick up and place in a polyethylene container with PVC fittings for waste. Absorb waste in an inert medium and dispose of it as solid.
- 10.2. Fire. Refer to section 5.
- 10.3. Final disposition. Dispose waste in accordance with national and local waste. After using the content, rinse the container three times and pour the solution into the application mix, then render the container unusable by crushing or puncturing it and depositing it in the places designated by local authorities for this purpose. Never reuse containers and containers to store water and/or food for human or animal consumption.

11. Transport information

- 11.1. Land transport. Not regulated by DOT.
- 11.2. Aerial transport. Not regulated by DOT.
- 11.3. Marine transport. Not regulated by DOT.

CONSULTATIONS IN CASE OF POISONING:

• **NATIONAL INTOXICATION CENTER** – National Hospital “Prof. Alejandro Posadas” Av. Presidente Illia and Marconi CP 1684 – El Palomar – Buenos Aires province PHONE NUMBER: 0-800-333-0160 (011) 4654-6648 (011) 4658-7777 Type of assistance: personal and telephone 24 hours a day.

- **TOXICOLOGY UNIT** – Children’s Hospital “Dr. Ricardo Gutiérrez” Gallo 1330 CP 1425 – Autonomous city of Buenos Aires PHONE NUMBER: (011) 4962-2247/6666 Type of assistance: personal and telephone 24 hours a day.
- **T.A.S.** – Toxicology, Counseling and Services Tucumán 1544 CP 2000 – Rosario – Santa Fe Province PHONE NUMBER: (0341) 424-2727 448-0077 Type of assistance: personal and telephone 24 hours a day.
- **TOXICOLOGY SERVICE** – School Hospital “José de San Martín” Paraguay 2201 CP 1120 – Autonomous city of Buenos Aires PHONE NUMBER: (011) 5950-8804/8806 Type of assistance: personal and telephone 24 hours a day.
- **CIQUIME** – Chemical Information Center for Emergencies PHONE NUMBER: 0800-222-2933 (011) 4613-1100 Type of assistance: personal and telephone 24 hours a day.
- **TOXICOLOGY SERVICE** – Municipal Emergency Hospital Catamarca 441 CP 5000 – Córdoba TEL: (0351) 4276200 Type of assistance: personal and telephone 24 hours a day. condiciones normales de almacenamiento.

AKO SRL does not assume any implicit or explicit responsibility for damages of any nature, derived from other use than the one indicated on the product’s label and from not having observed the recommended precautions or from not keeping it under normal storage conditions.