

SAFETY SHEET Resolución 350/99- SENASA

☞ Ako **Optimum**®

1. Product and Manufacturer Information

- 1.1. Product: Ako Optimum
- 1.2. Chemical name: lauryl alcohol ethoxylated
- 1.3. CAS N°: N/A
- 1.4. Molecular weight: Not available
- 1.5. Use: Adjuvant

2. Risk classification

- 2.1. Flammability: Non-flammable
- 2.2. Toxicological classification: Class III

3. Physical and chemical properties

- 3.1. Physical appearance: soluble concentrate (sl)
- 3.2. Color: colorless.
- 3.3. Odor: sui generis
- 3.4. Vapor pressure: Not available
- 3.5. Melting point: N/A.
- 3.6. Boiling point: N/A.
- 3.7. Solubility in water (20°C): N/A
- 3.8. Decomposition temperature: N/A.

4. First aid

- 4.1. Inhalation. Remove the victim to a fresh place. Then medical control.
- 4.2. Skin. Skin contact: immediately remove affected and contaminated clothing. Rinse and wash with water as a shower, soap with common soap and wash with water again. subsequent medical assistance.
- 4.3. Eyes. Eye contact: immediately flush with water through an eye shower with a syringe for at least 15 minutes from the inner corner of the eye outwards (remove contact lenses if present and easily achievable) then control by ophthalmologist.
- 4.4. Ingestion. Never give anything by mouth or induce vomiting in an unconscious person. call the doctor. Verify the product to which it accompanies, as it is an adjuvant.

5. Fire measures

- 5.1. Extinguishing media. Use chemical foam (to prevent vapor ignition) or dry chemical powder to extinguish flames. Qualified personnel should enter the affected area wearing special clothing for fire fighting, self-contained breathing equipment and safety glasses.
- 5.2. Specific fighting procedures. Evacuate people and animals out of the area and isolate the area threatened by the fire. Keep containers cold with water.

6. Handling and storage

6.1. Personal precaution measurements. Commonly recommended measures such as wearing a mask, gloves, long-sleeved overalls, boots, and protective glasses.

6.2. Storage. Store in its original container with visible label, hermetically closed, in a closed and well ventilated environment. Keep out of the reach of children and inexperienced persons. Do not store with food and feed.

7. Stability and reactivity

7.1. Stability. It is stable at 0°C and 54°C and in its original closed packaging.

7.2. Reactivity. Does not react under normal conditions and in its original packaging.

8. Toxicological information

8.1. Inhalation. Category III - Warning

8.2. Eyes. Mild irritant

8.3. Skin. Mild irritant

8.4. Ingestion. Class III - Slightly dangerous

8.5. Acute toxicity

8.5.1. Oral LD 50. Ld50 2000 - 5000 mg/kg body weight

8.5.2. Skin LD 50. Ld50 greater than 5000 mg/kg body weight.

8.5.3. Inhalation. Lc50 greater than 3,385 mg/l

8.5.4. Skin irritation. Mild irritant

8.5.5. Skin sensitization. Not sensitizing

8.5.6. Eye irritation. Mild irritant

8.6. Subacute toxicity. Not available

8.7. Chronic toxicity. N/A

8.8. Mutagenesis. N/A

9. Ecotoxicological information

9.1. Acute effects on aquatic organisms and fish. Lc50 7,778 mg/l - moderately toxic

9.2. Bird toxicity. Ld50 2000 mg/kg body weight - practically non-toxic

9.3. Soil persistence. N/a.

9.4. Control effect. Adjuvant

10. Emergency actions

10.1. Spills. Sweep the absorbed product with sand, earth, sawdust, or any other absorbent material and dispose of it safely; in suitable containers labeled for shipping and subsequent destruction by authorized companies.

10.2. Fire. In case of fire use dry chemical, foam, carbon dioxide. Use a sprinkler of water applied with a foam nozzle to cool exposed surfaces and protect personnel. Extinguish fire with dry chemical or foam. Try to cover spills with foam.

10.3. Final disposition. The container must be completely empty for disposal. Perform a triple wash on the empty vases. Dispose of according to current regulations.

11. Transport information

11.1. Land transport. Use normal precautions for this product. Not classified as a dangerous product.

11.2. Aerial transport. Use normal precautions for this product. Not classified as a dangerous product.

11.3. Marine transport. Use normal precautions for this product. Not classified as a dangerous product.

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.

