

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ANDYBUG (Esten 80)

1.2. Relevant identified uses of the substance or mixture and uses advised against

BIOINSECTICIDE-ACARICIDE

REGISTER MINISTRY AGRICULTURE OF ARGENTINA N°36335

Restriction on use:

Does not have

1.3. Details of the supplier of the safety data sheet

Company: **TENSAC S.H.**

Estado de Israel 1376

(4000) San Miguel de Tucumán

ARGENTINA

Telephone: +54-381-4348110/4348110

Email: info@tensac.com.ar

Web: www.tensac.com.ar

1.4. Emergency telephone number

Tel: + 54-381-4343835

2. Hazards Identification

2.1. Classification of the substance or mixture

No need for classification according to regulation (EU) N°1272/2008

Possible Hazards: No particular hazards known

2.2. Label elements

The product does not require a hazard-warning label according to regulation (EU) N°1272/2008

2.3. Other hazards

No specific dangers known, if the regulations/notes for storage and handling are considered

3. Composition/Information on Ingredients

3.1. Substances: Not aplicable

3.2. Mixture; Blend based on: sucroglycerides

4. First-Aid Measures

4.1. Description of First-Aid Measures: Due to the composition and typology of the substances present in the preparation, no particular warnings are needed

If inhaled: Not relevant

On skin contact: Wash affected areas thoroughly with soap and water

On contact with eyes : In case of contacts with the eyes, rinse immediately with plenty of water, . seek medical attention if necessary.

On ingestion: Rinse mouth and then drink 200 or 300 ml of water

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Because the product is not classified, significant symptoms are not expected

Hazards: No danger is expected if used and handled properly

4.3. Indication of any immediate medical attention and special treatment needed

In cases of doubt, or when the symptoms of discomfort persist, never administer anything orally to people who are concerne

5. Fire – Fighting Measures

5.1. Extinguishing media:

5.2.

Suitable extinguishing media: water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons: carbon dioxide

5.3. Special Hazards arising from the substance or mixture.

Special Risks: Fire can produce a thick black smoke.. Because of thermal decomposition, they can form dangerous products: Carbon monoxide, Carbon dioxide. Exposure to products of combustion or decomposition can be harmful to health.

5.4. Advice for fire fighters: Refrigerate tanks, cisterns or containers near the heat source with water. Take into account wind direction. Personal protective equipment in case of fire. Protect yourself with autonomous breathing equipment.

5.5. Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures: Use personal protective clothing

6.2. Environmental precautions: Do not discharge into drains/surface waters/groundwater

6.3. Methods and materials for containment and cleaning up: For small and large amounts, pick up with suitable appliance and dispose of absorbed material in accordance with regulations

7. Handling and Storage

7.1. Precautions for safe handling: This product does not require special means of handling, the following general measures are recommended:

For personal protection, see section 8.

Never use pressure to empty the containers.

In the area of application, it must be prohibited smoking, eating and drinking,

Comply with the legislation on safety and hygiene at work.

Keep the product in its own containers.

7.2. Conditions for safe storage, including any incompatibilities: The product does not require special storage means. Keep the packaging closed.

As a general storage condition should be avoided sources of heat, radiation, electricity and contact with food

Keep away from oxidizing agents and acidic or alkaline materials.

Store the containers in dry and well-ventilated places with temperatures between 5 and 35 ° C.

8. Exposure Controls/Personal Protection

8.1. Control parameters: This product does NOT contain substances with Environmental Exposure Limits (VLA-ED). The product does NOT contain substances with biological limit values.

8.2. Exposure controls

Personal protective equipment

Respiratory protection: Not needed

Design of technical installations: no special measures recommended.

Personal protective equipment:

Protection of the respiratory tract: protection of the respiratory tract is not necessary.

Protection of hands: Protective gloves are suitable. The recommendation is valid for working conditions in an industrial plant.

Eye protection: If handled correctly, no individual protective equipment is necessary.

Body protection: Select body protection depending on the activity and possible exposure; for example: apron, protective boots (according to CEN Standards: EN ISO 13287, EN 20347).

General measures of protection and hygiene: During work do not eat, drink and smoke. Handle in accordance with safety standards for chemical products.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: Oily Liquid

Colour amber

Odour: Characteristic

pH value 8,0

Melting Range: 52.0-58.0

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability: Not Flammable

Lower explosion limit: not determined.

Upper explosion limit: not determined

Ignition temperature: not determined

Density: 0,95 g/cm³

Relative vapor density (air) : not applicable

Solubility in water: soluble

Fat solubility: Insoluble

Partitioning coefficient n-octanol/water (log Kow): not applicable for mixtures

Self-ignition: Not determined.

Thermal decomposition: Not determined

Viscosity : Not applicable

Explosion Hazard: Not explosive.

Fire promoting properties: no fire propagating

9.2. Other information

Drop Point: Not applicable

Cintillation: Not applicable

Kinematic viscosity: Not applicable

10. Stability and Reactivity

- 10.1. Reactivity:** It does not present dangers due to its reactivity.
- 10.2. Chemical stability:** The product is stable if stored and handled as prescribed/indicated
- 10.3. Possibility of hazardous reactions:** It does not present the possibility of dangerous reactions.
- 10.4. Conditions to avoid:** Avoid handling incorrectly. Temperature $\geq 300^{\circ}\text{C}$
- 10.5. Incompatible materials:** Keep away from oxidizing agents, acids and strong alkalis in order to avoid exothermic reactions.
- 10.6. Hazardous decomposition products:** It does not decompose if it is used for the uses planned.

11. Toxicological Information

Primary routes of exposure: The routes of entry for solids, creams and liquids are ingestion, inhalation and contact with the skin and eyes. For gases, it includes inhalation and contact with the eyes.

Primary route of exposure: Contact with the skin.

11.1 Information on toxicological effects

Product:

- 11.1 Acute oral toxicity LD50:** greater than 5000 mg / l - safe
- 11.2 Acute dermal toxicity LD50:** greater than 5000 mg / l - safe
- 11.3 Inhalation toxicity:** LC 50 greater than 8.7 mg / l
- 11.4 Eye irritation:** Index = 1.5 - Virtually non-irritating
- 11.5 Dermal irritation:** Index = 0.0 - Non-irritating
- 11.6 Sensitization:** It is shown not sensitizing effect

ECOTOXICOLOGICAL BACKGROUND

- 11.7 Acute or chronic toxicity to Fish:** CL 50 greater than 100 mg / l - Practically non-toxic
- 11.8 Acute or chronic toxicity to Bees:** LD 50 greater than 100 μg / bee - Practically no toxic
- 11.9 Acute or chronic toxicity to Birds:** LD 50 greater than 2000 mg / l - Practically non-toxic
- 11.10 Others:** AMES TEST does not have mutagenic characteristics.

12. Ecological Information

12.1 Toxicity

Toxicity to fish: CL50 \geq 100 mg/l – Not toxic

Microorganisms/Effect on activated sludge

ECO \geq 100 mg/l

12.2. Persistence and degradability

Assessment of degradation and elimination of water: Completely biodegradable
(According to OECD criteria).

12.3. Bioaccumulative potential: No data available concerning bioaccumulation.

12.4. Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments: not applicable

12.5. Results of PBT and vPvB assessment: According to Annex XIV of Regulation (EC) N°1907/2006 concerning the Registration, evaluation, Authorization and restriction of chemicals (REACH). The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria of the vPvB (very persistent/very bioaccumulative) criteria. Self-classification

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: This product is very biodegradable and it is allowed to be dumped in sewer or water courses. Empty containers can be recycled or disposed of in accordance with current local / national legislation.

14. TRANSPORT INFORMATION

14.1 Land transport

TDG Not classified as a dangerous good under transport regulations..

14.2 Inland waterway transport

IMDG Not classified as a dangerous good under transport regulations

14.3 Sea transport

IATA/ICAO Not classified as a dangerous good under transport regulations

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Version: 1.0

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15. Regulatory Information

15.1 Safety, Health and environmental regulations/legislation specific for the

Substance or mixture: The product is not affected by the Regulation (EC)N°1005/2009 of the European Parliament and of the Council, of 16 September 2009, on substances that deplete the ozone layer.

The product is not affected by the directive 2012/18 / UE (SEVESO III).

The product is not affected by the procedure established in the Regulation (EU) N°649/2012, regarding the export and import of products dangerous chemicals.

NFPA Hazard Code:

Health: 0

Fire: 0

Reactivity: 0

HMIS III Classification:

Health: 0

Flammability: 0

Physical risks: 0

16. Other Information

Information on intended use. This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This included the mentioned and recommended usage, any other intended application for products are the object of special standards and regulations.

The data contained in this safety data sheet are based on our knowledge and experience and describe the product only with regard to safety requirement. The data not describe the product properties. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed

Main bibliographic references and data source:

<http://eur-lex.europa.eu/homepagae.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830

Regulation (EC) 1907/2006

Regulation (EU) 1272/2008

End of the Safety Data Sheet