

# 3Tac-Iβ

## 1. Product and company identification

Commercial name	: <b>3Tac-Iβeta (wp)</b>
Aptitude	: Broad spectrum bio-bactericide and fungicide
Product name	: <b>3Tac-Iβeta (wp)</b>
Company name	: Avance Biotechnologies, Chile Limitada
Company identification number	: 77.601.120-7
Company Address	: Barón de Juras Reales 5382 Conchalí, Santiago Chile
Emergency phone numbers	: 56-2-6233266 56-9-94366428

## 2. Composition/Information about components

A special product whose formulation and production is made per client's request, designed to control bacterial cancer. The product does not belong to the company's continuous manufacturing line.

**3Tac-Iβeta (wp)** is a mix of THREE LIVE SPECIES of Trichoderma in spore and hyphae form contained in a biodegradable humid matrix that only acts as a carrier transport, that allows transport to the plant's **clavulanic acid (potassiumated salt)** interior. Betalactamic inhibitor in a final concentration of 10 mg (0.01 gram) per kilogram final product of weight.

The fungicidal and fungistatic potency of 3Tac is greatly diminished in favor of antibacterial activity.

## 3. Risk identification

Product classified as Class IV. Product that normally causes no harm.

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## 4. Emergency and first aid

- Eyes: Wash with abundant water and soap, lifting upper and lower eyelids from time to time. In case of irritation, please consult an ophthalmologist.
- Skin: Remove contaminated clothes and wash with detergent. Wash contact zone with abundant water and soap. In case of irritation, consult a dermatologist.
- Accidental ingestion: The product does not pose risk when casually ingested. Contact the nearest Toxicology Center, rinse mouth with abundant water. If symptoms continue, consult a doctor.
- Inhalation: The product does not pose risks when inhaled. Transfer the affected person to a place with abundant fresh air.
- Antidote: There is no specific antidote. Apply symptomatic treatment.

## 5. Firefighting measures

Product is slightly hydrated in powder, does not pose risk of inflammation. Does not contain in its formulation volatile corroding and/or exploding elements. Lead-free product.

## 6. Measures to be taken in case of accidental spillage

In case of spillage:

- Ventilate the premises.
- Apply absorbing material, soil, sawdust or others. Pick up with shovels. Eliminate the residue placing it in plastic recipients or adding them crop soil.
- Wash floor with chlorinated water.
- Use common protection equipment.

## 7. Manipulation and storage

- Use gloves and clothing protecting equipment.
- Do not inhale. Use approved spraying mask.
- Should not be stored near food.
- Do not pollute waterways when cleaning equipment.
- Do not eat, drink or smoke while the product is being applied.
- Store in a fresh and dry environment, only sealed containers duly marked and identified.

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## 8. Exposition controls and personal protection

- Eyes: Use safety goggles and face protection. Do not use contact lenses.
- Skin: Avoid contact with product. Use gloves and protective regulatory clothing.
- Inhaling: Reduce product inhaling as much as possible while applying. Use regulatory mask.
- Entrance to treated areas: **3Tac-Iβeta (wp)** has no restrictions to entry in orchards and fields.

## 9. Physical and chemical properties

### Aspect

- Physical: Micronized powder
- Color: Greenish brown
- Odor: Reminiscent of coconut essence

**3Tac-Iβeta (wp)**, DOES NOT contain in its formulation any volatile, explosive and/or corrosive ingredients.

## 10. Stability and reactivity

- Stability: Stable in normal storage conditions, in original sealed container.
- Dangerous polymerization: The product does not polymerize.

## 11. Toxicological information

Classification: Product classified as Class IV. Product that normally causes no harm.

The product is not teratogenic, mutagenic or carcinogenic.

Antidote: There is no specific antidote. Apply symptomatic treatment.

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## 12. Ecological information

**3Tac-Iβeta (wp)** does not affect bees, does not affect beneficial arthropods nor other pollenization agents. Non-toxic for mammals, birds, fish and other aquatic organisms.

**3Tac-Iβeta (wp)** does not accumulate in the environment.

## 13. Disposal considerations

- Consult local legislation.
- Incinerate in controlled dependencies.
- Disposal of empty containers according to existing regulations.

## 14. Transport relevant information

Regulation	Class	Packing
RID	ADR	Not classified
ICAO	IATA-DGR	Not classified
Cod.GGVSEE	IMDG	Not classified

## 15. Regulatory information

S13	Keep away from food and beverages.
S2	Keep out of reach of children.
S20/21	Do not eat, drink or smoke during the product's use.

## 16. Additional information

This product must be stored and manipulated according to established industrial hygiene practices for agricultural products and in accordance with existing regulations. The information contained herein includes the latest knowledge from a safety standpoint. Given this, it should not be supposed that certain properties should be guaranteed.

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## 17. Warranty notice

AVANCE informs the user that according to analysis to date in its possession, these have demonstrated that the product, applied with our instructions serves the recommended purposes. The information or recommendations from AVANCE do not exempt people who receive them to make their own decisions which may be more convenient for their own correct implementation. Bearing in mind that storage or application of this product is beyond the control of AVANCE and it cannot foresee all the conditions, AVANCE disclaims all liability for any damage that may occur, of whatever nature, as a result of storage or application other than that recommended by the manufacturer. AVANCE will be responsible for product quality, until the expiration date. Any other warranty, whether express or implied, that is not issued in written form by the manufacturer will automatically be discarded.

**AVANCE**  
*Biotechnologies, Chile*