

MATERIAL SAFETY DATA SHEET

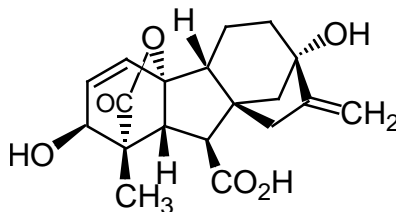
Agrogibbic 10% T.B

(Gibberellic acid)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE

Trade name: Agrogibbic
 Common Name: Gibberellic acid
 Form: Tablets
 Chemical Name:
 (1 α ,2 β ,4 α ,4 β ,10 β)-2,4a,7-trihydroxy-1-methyl-8-methylenegibb-3-ene-1,10-dicarboxylic acid 1,4a-lactone

Chemical Class: Gibberellins
 Formula: C₁₉H₂₂O₆
 Mol. wt: 346.4
 Structure:



SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.: [77-06-5]
 Content: 10%
 Other: 90%

Substance	Conc.	Uses
Active ingredient		
Gibberellic acid	10%	A plant growth regulator
Inert ingredient		
Filler	90%	
Total	100%	

SECTION 3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:

Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant).

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

SECTION 4.FIRST AID MEASURES

Eyes:

Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

Skin:

Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.

Ingestion:

Call Poison Control immediately. Rinse mouth with cold water. Give victim 1-2 cups of water or milk to drink. Induce vomiting immediately.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration.

SECTION 5.FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

SECTION 6.ACIDENTAL RELEASE MEASURES

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7.HANDLING AND STORAGE

Precautions:

1. Keep away from heat.
2. Keep away from sources of ignition.
3. Empty containers pose a fire risk, evaporate the residue under a fume hood.
4. Ground all equipment containing material.
5. Do not ingest.
6. Do not breathe dust.
7. Avoid contact with eyes

Storage:

1. Keep container dry.
2. Keep in a cool place.
3. Ground all equipment containing material.

SECTION 8.EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Formulation Type: Tablets (T.B)
Appearance: White tablets
Corrosion: Non-corrosive
Solubility:

SECTION 10. STABILITY AND REACTIVITY

This material is chemically stable under normal and anticipated storage and handling conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Symptoms/Signs of exposure:

Eyes: Redness, tearing, itching, burning, conjunctivitis.

Skin: Redness, itching.

Ingestion: Irritation and burning sensations of mouth and throat, nausea, vomiting and abdominal pain.

Inhalation: Irritation of mucous membranes, coughing, wheezing, shortness of breath,

Chronic Effects:

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

SECTION 12. ECOLOGICAL INFORMATION

Not toxic

SECTION 13. DISPOSAL INSTRUCTION

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as a Dangerous Good.

SECTION 15. REGULATORY INFORMATION

Acute: Yes

Chronic: No

Fire: Yes

Reactivity: No

Read and follow all label directions.

SECTION 16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.

Proper use: The product used as PGR.