

MATERIAL SAFETY DATA SHEET BIO – T PLUS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name BIO – T PLUS

Chemical name Bacillus thuringiensis var. kurstaki
Company BioDalia Microbiological Technologies

Address 19239 Kibbutz Dalia, Israel

Phone +972-4-9897257/68 Fax +972-4-9897256

2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqueous Suspension

Active Ingredient: Bacillus thuringiensis

var. kurstaki, 16000 International

Units (ITU) per milligram - 1.2% (Equivalent to 1.28 billion ITU/LITER)

Preservatives - 1.0% Formulation - 7.0%

Inert fermentation remains - 6.8%

Water - Approx. 84.0%

Total - 100.0%

3. HAZARDS INFORMATION

Specific risks May be an irritant to eyes, skin and

respiratory system.

4. FIRST AID MEASURES

Irritating to respiratory system

General In all cases of doubt, or when symptoms

persist, seek medical advice.



Eye contact Rinse immediately and as long as possible

with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation

persists.

In case of inadequate first aid measures there is a possibility of persistent effect to

the eye.

Skin contact Remove contaminated clothing. After

contact with skin, wash immediately with soap and plenty of water. Seek medical advice if irritation develops. Wash clothing

before reuse.

Inhalation Not likely to occur

Ingestion Rinse mouth with water. Do not drink. Do

not induce vomiting because of risk of

aspiration. Seek medical advice.

Advice to physician For further advice, call: +972-48541900,

Israeli Poison Information Center

5. FIRE FIGHTING MEASURES

Extinguishing media All extinguishing products are permitted;

Non flammable (aqueous)

Unsuitable extinguishing media

Special exposure hazards

Protective equipment

None known None known

No special equipment needed

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid contact with eyes and skin Personal protection Wear safety goggles, gloves Environmental precautions None, safe for the environment



Tolerance Exempt on all raw agricultural commodities

when applied preharvest or postharvest to

growing crops

Other information For personal protection, see Section 8

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes

Storage Store in a cool dry area. Temperature

should not exceed 28°C for long shelf life. Recommended storage temperature: 4°C. To maintain quality, protect from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits No exposure limit has been established

Personal protection: Avoid contact with eyes and skin Respiratory No specific recommendations

Hand protection Gloves

Eye protection Safety goggles
Skin and body protection Suitable clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Viscous Liquid

ColorBrownOdorTypicalpH value 4.5 ± 0.5

Melting point NA
Boiling point NA

Flash point NA (aqueous)

Solubility in water 100% dispersion in cold water

Solubility in other solvents Not determined

Flammability NA Autoignition temperature NA



Explosive properties None
Explosion limit NA
Oxidizing properties None

Vapor pressure VP of water

Density Approx. 1020 g/l (20° C)

Bulk density NA

10. STABILITY AND REACTIVITY

Stability No decomposition if stored and handled

properly.

Conditions to avoid Do not store above 28°C. Do not freeze.

Do not expose to the sun.

Do not expose to oxygen, acids and bases.

Materials to avoid

Hazardous decomposition

products No typical hazardous decomposition

products known.

11. TOXICOLOGICAL INFORMATION

Name BIO - T PLUS

Active ingredient Delta-endotoxin crystals and viable spores

of Bacillus thuringiensis, var. kurstaki (B.t.k.)

Acute toxicity Non-toxic and non-harmful effects on

humans, domestic animals, wildlife, beneficial insects, fish, and other aquatic

seriencial inicecco, non, and other aque

life

Toxicity:

Acute oral toxicity in rat, LD 50 (OECD 423) >2000 mg/kgAcute dermal toxicity in rat, LD 50 (OECD 402) >2000 mg/kgAcute inhalation toxicity in rat, LC 50 (OECD 403) >1.27 mg/L air

Irritation:

Acute dermal irritation in rabbit (OECD 404)

Not classified

Acute eye irritation in rabbit (OECD 405)

Not classified



Skin sensitization potential (OECD 429)

May cause an allergic

skin reaction

12. ECOLOGICAL INFORMATION

Information Readily biodegradable. Non-toxic. Non-harmful

effects on humans, domestic animals, wildlife, beneficial insects, fish, and other aquatic life. Safe for the environment. Tolerance exempt on all raw agricultural commodities when applied preharvest

or postharvest to growing crops.

13. DISPOSAL CONSIDERATIONS

Product Pesticide disposal - May be disposed of on site or

at an approved waste disposal facility.

Contaminated packaging Container disposal - Triple rinse, then puncture

and dispose of in a sanitary landfill, or if permitted

by the authorities, by burning.

Do not re-use container.

14. TRANSPORT INFORMATION

UN NUMBER - NA

ADR/AID Not regulated ICAO/IAT Not regulated IMDG Not regulated

OTHER INFORMATION Protect material from direct sunlight.

Containers must be stored in a shaded area.

Temperature must be below 28°C.

15. REGULATORY INFORMATION

Product label name BIO – T PLUS



Registration

Registered in ISRAEL
Registration no. 1306/s/d3/94, 7088/s/d3 /00
for Organic Agriculture, by the Ministry of
Agriculture Plant Protection and Inspection
Services, Israel. Certified for use in
agriculture and organic agriculture.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Approval date: 26 February 2014

Revision: 8.0

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