

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

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

Product Name: Biotech fungicidal additive

Use: Biocidal paint.

Supplier: Biotech Environmental (UK) Limited
Unit 1 Dunchideock Barton
Dunchideock
Exeter
EX2 3UA

Telephone: +44 (0) 1392 832 270
Email: Info@mouldtreatments.co.uk

2. HAZARDS IDENTIFICATION

EC Classification: R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.



IRRITANT



Dangerous for the environment.

Hazards:

Risk of serious damage to eyes. Repeated and/or prolonged skin contact may cause irritation. May cause irritation to the respiratory system.

Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Biocidal paint.

HAZARDOUS INGREDIENT(S)

Chemical Name:	CAS No.	EC No.	%W/W	EU Hazard Symbol	EU Risk Phrases
3-iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5	15-20	Xn, N	R20/22, R41, R50

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. If symptoms develop, obtain medical attention.

Inhalation: Remove persons affected by vapour to fresh air. If symptoms develop, obtain medical attention.

Skin Contact: Remove contaminated clothing immediately. Wash skin with water. If symptoms persist, obtain medical attention.

Eye Contact: Obtain immediate medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.

5. FIRE-FIGHTING MEASURES

General:	Combustible. Keep away from heat. Vapour may create explosive atmosphere.
Extinguishing Media:	Water spray, foam, dry powder or CO ₂ .
Unsuitable Extinguishing Media:	Do not use water jet.
Fire Fighting Protective Equipment:	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
Other:	May decompose in a fire, giving off toxic and irritant vapours. Carbon monoxide, Carbon dioxide, Nitrogen oxides and Halogenated hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses.

Personal Protection:	Ensure adequate ventilation. Wear suitable protective clothing and gloves. Goggles giving complete protection to eyes.
Methods for Cleaning Up:	Eliminate sources of ignition. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. Subsequently flush road with water.

7. HANDLING AND STORAGE

Handling:	When using do not eat, drink or smoke. Avoid contact with skin and eyes.
Process Hazards:	Irritating to eyes and skin. Vapour may create explosive atmosphere.
Storage:	Keep container tightly closed in a cool place. Keep container dry. Keep in a well ventilated place.
Storage temperature (°C):	Keep at temperature not exceeding (°C): 45

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General: Ensure adequate ventilation.



Respirators: Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.



Eye Protection: Goggles giving complete protection to eyes.



Gloves: Plastic or rubber gloves.

Environmental Exposure Controls: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid.
Colour: Yellowish.
Odour: Characteristic.
Boiling Point (°C): 232
Flash Point (°C) [Closed cup] : >104 (>219.2 °F)
Density (g/ml): 1.06 [25 °C (77 °F)]
Vapour Density (Air=1): >1
Solubility (Water): Miscible.

10. STABILITY AND REACTIVITY

Stable under normal conditions.

Incompatible materials and conditions: Oxidizing agents.

Hazardous Decomposition Product(s): May decompose in a fire, giving off toxic and irritant vapours. Carbon monoxide, Carbon dioxide, Nitrogen oxides and Halogenated hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Inhalation: May cause irritation to the respiratory system.

Ingestion: Ingestion may cause irritation of the gastrointestinal tract.
3-iodo-2-propynyl butyl carbamate LD₅₀ (oral/rat): 1470 mg/kg

Skin Contact: Repeated and/or prolonged skin contact may cause irritation.
3-iodo-2-propynyl butyl carbamate LD₅₀ (dermal/rabbit): >2000 mg/kg

Eye Contact: Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

Avoid release to the environment.

Environmental Fate and Distribution: Partition Coefficient (n-Octanol/water) log Pow: 2.81

Persistence and Degradation: The product is unlikely to persist in the environment.

Toxicity: 3-iodo-2-propynyl butyl carbamate
EC₅₀ (Daphnia magna) 0.16 mg/l - 48 h
EC₅₀ (Fresh water algae: Scenedesmus subspicatus) 0.022 mg/l - 72 h
LC₅₀ (Rainbow trout) 0.067 mg/l - 96 h
COD: 1148 mg/kg

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation. To be disposed of as hazardous waste.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

Do not empty into drains; dispose of this material and its container in a safe way.

14. TRANSPORT INFORMATION

Classification:



UN No.: 3082
Class: 9
UN Packing Group: III
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
3-iodo-2-propynyl butyl carbamate

Road/Rail

ADR/RID Class: 9
HAZARDS IDENTIFICATION ADR/RID: 90

SEA

: primary Class : 9
UN Packing Group Sea: III
Marine Pollutant: Yes.
IMDG EMS: F-A, S-F

AIR

ICAO/IATA:
: primary Class : 9
UN Packing Group Air: III

15. REGULATORY INFORMATION

European Regulations

Trade name: Biotech fungicidal additive
Company Identification: Biotech Environmental (UK) Limited



IRRITANT



Dangerous for the environment.

Hazard Symbol: Xi, N

Risk Phrases: R41: Risk of serious damage to eyes.
R50: Very toxic to aquatic organisms.

Safety Phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S57: Use appropriate container to avoid environmental contamination.
S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

16. OTHER INFORMATION

Risk Phrases:

Xi : Irritant.

Xn : Harmful.

N : Dangerous for the environment.

R20/22: Harmful by inhalation and if swallowed. R41: Risk of serious damage to eyes. R50: Very toxic to aquatic organisms.

Additional Information:

The data and advise given apply only when the product is used for the stated applications. The product is not sold as suitable for any other application. Use for other applications may give rise to risks not mentioned here, and advise should be sought from us.

For intended use and applications see the technical data sheet for the product.

If you have purchased the product for supply to a third party for use at work, it is your duty to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees, and others who may be affected, of any hazards described in this sheet and of any precautions which should be taken.