

Health & Safety Data Information

1) Identification of the substance and company

Product Name : SYMBIO BLACK LAYER **Product Code :** BLT
Synonyms (if any): BLT

Supplied by: Symbio
Unit 38 Bookham Industrial Park **Tel:** 01372 456 101
Church Road **Fax:** 01372 456 099
Great Bookham **www.symbio.co.uk**
Surrey KT23 3EU

2) Composition & Information on Ingredients

Contains: Micro organisms conforming to EC EFB Class 1 on an inert mineral base (common saprophytic micro organisms - never shown to be a causal agent in human illness) plus activating nutrients and total N 8.4% as nitrate. CAS 7631-99-4 EINECS 213-554-3

Components which may be Hazardous: None

3) Hazards Identification

Specific Risks : None
Principal Dangers : When in fine particulate form as dust contact with combustible material, may cause fire. Highly unlikely to cause harmful effects under normal conditions of handling or use.

4) First Aid Information

Exposure Route	Symptom	Treatment
Inhalation	Shortness of breath	Breathe fresh air, rest, and keep warm
Skin Contact	Mild dermatitis	Wash with water
Eye Contact	Inflammation	Wash with water for at least 10 minutes . Obtain medical attention
Ingestion	Nausea	Rinse mouth but do not drink water in great quantity. Do not induce vomiting. If patient is unwell, seek medical attention

Immediate Treatment / Antidote : Symptomatic treatment
Delayed Effects : If exposure to fumes when heated is suspected, keep under medical supervision for at least 48 hours as delayed pulmonary oedema may develop. Possibility of allergies in subjects sensitive to enzymes.

5) Fire Fighting Measures

Suitable Extinguishers : Water spray, dry powder carbon dioxide
Unsuitable Extinguishers :
Hazardous Combustion Products : Oxides of nitrogen
Special Equipment for Fire Fighting : Self contained breathing apparatus

6) Accidental Release Measures

Safety Precautions : Wear mask and gloves if exposed to large quantities of dust.
Environmental Precautions : Will not harm environment. Will encourage plant growth
Clean up Procedure : Collect bulk product and bag for refuse or disposal. Wash remaining product to drain.

7) Handling & Storage

Handling : **Ventilation :** Good general ventilation with usual precautions for dusts

Storage : Temperature Range 5°C - 35°C

Keep Away From : Combustibles, acids
Suitable Storage Media : Paper, plastic. Avoid metal for long term storage

8) Exposure Controls / Personal Protection

Respiratory : Wear a mask if exposed to dust. Type RPE
Hand : Wear gloves
Eye : Wear goggles if exposed to dust
Skin : Wear dust protective clothing. Wash before re-use
Hygiene Measure : Do not allow product to come into contact with food preparation surfaces

9) Physical & Chemical Properties

Appearance :	Brown powder pH 8
Melting Point / Range :	
Oxidising Properties :	Slight
Relative Density :	1.15
Solubility in Water :	Soluble
Solubility in Solvent :	Slight but soluble in acids
Decomposition Temperature :	Active ingredients decompose at temp >40°C

10) Stability & Reactivity

Known Hazardous Reactions :	None
Materials to Avoid :	Acids, biocides
Hazardous Decomposition Products :	None

11) Toxicological Information

Effects : The mineral base is considered non toxic. The micro organisms are all saprophytes.

12) Ecological Information

Environmental Effects :	Will degrade dead organic matter. Will enhance activity in composting and waste water treatment plant.
Mobility :	Highly mobile in soil
Degradability :	Substantially bio degradable apart from inert mineral base
Aquatic Toxicity :	The product will improve the quality of water in aerated aquatic eco systems

13) Disposal Considerations

Substance :
Container : Store in dry conditions in paper or plastic containers. Wash remaining product to drain.

14) Transport Information

No special Precautions : Not assigned in :
The Road Traffic (Carriage of Dangerous Substances in Road Tankers and Tank Containers) Regulations
The Road Traffic Carriage of Dangerous Substances in Packages Regulations

15) Regulatory Information

Supply Label Details :
Label Name : **Symbio BLT - Black Layer Treatment**
Symbols : None
Risk Phrases : None
Safety Phrases : Keep away from children. Wear mask if exposed to dust.
E.E.C. No : Not classified

16) Other Information

This material is usually used for : Enhancing the biological activity on sports turf to degrade decaying organic matter in anaerobic conditions.

Active ingredients are activated by moisture. Keep humidity below 2%

The above information is based upon the state of our knowledge of the product at the time of writing. No warranty is implied with respect to the quality or the product. The user should satisfy himself that the product is entirely suitable for the intended use.