

HEALTH & SAFETY DATA SHEET



1. Identification of the Substance/Preparation and of the Company

Product name: **BD 93224; BD 93114; TL 1812**

Company: Symphony Environmental Ltd, Elstree House, Elstree Way, Borehamwood, Hertfordshire. WD6 1LE

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2. Composition/Information on ingredients

Product description: Polyolefin based degradable masterbatch.

Component	CAS-Reg.No
Prodegradant mixture	Proprietary
Polyolefin carrier	9002-88-4 / 9019-29-8 / 9003-07-0

3. Hazards Identification

This product presents no hazard to health under normal conditions of use.

4. First Aid Measures

Skin Contact:

Wash with soap and plenty of water. Do not use organic solvents. Molten material can cause severe burns. Do not try to peel molten polymer from the skin. Cool affected area under water immediately. When the product is cold seek medical attention. Treat the affected areas as thermal burns.

Eye Contact:

Particles can cause eye irritation. Wash immediately with copious amounts of water for at least 15 minutes and seek medical attention if irritation persists. On contact with hot product cool eyes rapidly with cold water and seek immediate medical attention.

Inhalation:

If dust or vapours inhaled during processing remove to fresh air and keep body temperature normal. If breathing difficulties are experienced seek medical attention.

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**Ingestion:**

Pellets can constitute a choking hazard and should not be ingested. In case of accidental ingestion wash out mouth with water, drink plenty of water and if adverse symptoms persist seek medical attention.

5. Fire Fighting Measures

Suitable extinguishing media: carbon dioxide, dry chemical or foam.

Fire Fighting Protective Equipment: a self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. Accidental Release Measures

Spilt pellets can cause a slipping hazard. Collect with a broom and shovel and put in to sealed containers for disposal.

7. Handling and Storage**Handling:**

Observe the usual precautions for handling chemicals. Avoid ingestion, inhalation, skin and eye contact. Do not eat, drink or smoke when handling material. In case of thermal processing provide for extraction of the vapours or adequate ventilation. Avoid dust formation and inhalation.

Storage:

Store in cool dry area away from sources of moisture and heat.

8. Exposure Controls/Personal Protection**Exposure control:**

Use of local exhaust ventilation recommended.

Exposure limits:

No data available.

Personal Protection:

In line with good practice wear protective goggles, gloves, closed footwear and overalls when handling material. Wear dust mask if appropriate. In case of insufficient ventilation wear suitable respiratory equipment.

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9. Physical and Chemical Properties

Appearance: Dry, solid pellets
Specific Gravity: 1.05 – 1.15 g/cm³

Colour: Grey/Brown
Melting temperature: Polyolefin carrier: 100 - 109°C
Decomposition temperature: > 250 °C
Flash point: Not determined
Ignition temperature: > 350 °C
Solubility (water): Negligible.

10. Stability and Reactivity

Stability: Stable under normal conditions of use. Can liberate CO₂ gas when exposed to acids.

Materials to avoid: Strong oxidising agents, acids.

Hazardous decomposition products: Oxygenated hydrocarbons, carbon monoxide, carbon dioxide, carbon particulate.

11. Toxicological Information

Product is non-toxic by composition. However it should be treated as a nuisance particulate therefore avoid breathing dust or fumes that may be generated during processing.

12. Ecological Information

Product is degradable but uncontrolled releases should be avoided.

13. Disposal Considerations

Incineration or landfill according to local regulations, e.g. send waste to an authorised industrial incinerator or to a landfill authorised for industrial waste.

14. Transport Information

Not classified as Dangerous for Transport.

Classification: None

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15. Regulatory Information

Not classified as Dangerous for Supply/Use.

16. Other Information

The details contained herein are based on our present knowledge and experience and are to characterise our product with regard to any possible safety requirements. We do, however, pass them on without any warranty or property assurances.

If you require any further information please do not hesitate to contact our Technical Department on +44 (0)20 8207 5900 or fax on +44 (0)20 8207 5960