



# Microbial 8-0-0

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

### 1.1 Name of Product

Microbial 8-0-0

### 1.2 Use of the Substance/Preparation

Fertiliser

### 1.3 Manufacturer/Distributor

Thomas Elliott (Fertilisers)  
Selby Place  
Stanley Industrial Estate  
Skelmersdale  
WN8 8EF  
Tel: 01695 51875  
Email: info@thomas-elliott.co.uk

### 1.4 Emergency Contact

Tel: 01695 51875 (Office Hours)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification

Classification according to Directive EC 1272/2008 Classification, Labelling and Packaging.  
This mixture is not classified as dangerous to humans or the environment.

### 2.2 Label elements

There are no statutory labelling requirements under regulation 1272/2008 and regulation 453/2012.

### 2.3 Other hazards

Mixture not classed as PBT or vPvB.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Compound fertiliser containing 8% nitrogen and Category 3 animal by-products.

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye contact** – Immediately rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.

**Skin contact** – Wash exposed areas of skin with soap and water following use. Wash all contaminated clothing before re-use.

**Ingestion** – wash out mouth with water and seek medical advice.

**Inhalation** – remove to fresh air.

### 4.2 Most important symptoms and effects, both acute and delayed

**Eye Contact:** Pain and redness

**Skin Contact:** Repeated and/or prolonged contact may cause irritation.

**Ingestion:** Based on components, product is considered to present little hazard by oral exposure.

**Inhalation:** Unlikely to cause harmful effects under normal handling and use.

#### 4.3 Indication of immediate medical attention and special treatment needed

None

Additional medical guidance is available to doctors from the National Poisons Information Service.

### 5. FIRE FIGHTING MEASURES

Non flammable

#### 5.1 Extinguishing Media

Use foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable. As such extinguishing media appropriate for surrounding materials should be chosen.

#### 5.2 Special hazards arising from substance or mixture

Possible irritant fumes arising from product decomposition.

#### 5.3 Advice for firefighters

Contain spread of extinguishing fluids. Wear self-contained breathing apparatus in confined spaces.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal Precautions

Ensure adequate ventilation. Wear protective gloves and eye protection. Wash hands and exposed skin after handling.

#### 6.2 Environmental precautions

Do not allow to enter drains or sewers.

#### 6.3 Methods and material for containment and cleaning up:

Sweep up and shovel product or use other means and place in container for reuse (preferred) or disposal.

### 7. HANDLING & STORAGE

#### 7.1 Precautions for Safe Handling

Ensure good ventilation at workplace. Ensure good hygiene practices are observed. Do not eat, drink or smoke when handling this product. Do not breathe dust. Avoid contact with skin and eyes. Ensure workplace exposure limits are observed. Do not block stack pallets.

#### 7.2 Conditions for Safe Storage

Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs and in a separate stack from herbicides.

#### 7.3 Specific end use

Fertiliser

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### 8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust) The OEL (Occupational Exposure Limit) for respirable crystalline silica dust is 0.1mg/m<sup>3</sup> in the United Kingdom, measured as an 8 hour TWA (Time Weighted Average). Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

#### **Desired No Effect Level (DNEL)**

##### **Worker**

Acute systemic effects dermal:	580	mg/kg/day
Acute systemic effects inhalative:	292	mg/m <sup>3</sup>
Systemic long-term effects dermal:	580	mg/kg/day
Systemic long-term effects inhalative:	292	mg/m <sup>3</sup>

## 8.2 Exposure Controls:

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified. Primary Hazard considered as handling of concentrate. Gloves: to BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance.

Clothing: Coveralls/apron to BS EN465/466/4679.

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Appearance	Buff, black and brown powder
Odour	Organic
pH	n/a
Boiling point	n/a
Melting point	n/a
Flash point	n/a
Flammability	Not flammable
Autoflammability	n/a
Explosivity	Not explosive
Oxidising properties	none
Vapour Pressure	n/a
Relative density	n/a
Solubility	Partially soluble in water
Decomposition temperature	n/a

### 9.2 Other Information:

None

## 10. STABILITY & REACTIVITY

### 10.1 Reactivity

Stable under normal conditions of storage and use

### 10.2 Stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

Information not available

### 10.4 Conditions to Avoid

Extremes of temperature

### 10.5 Incompatible materials

None known

### 10.6 Hazardous Decomposition Products

Decomposes at high temperatures producing toxic nitrogen and sulphur oxide fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Not classified as hazardous. Provides nutrients essential to plant growth.

## 12.2 Persistence and degradability

No data

## 12.3 Bioaccumulative potential

No data

## 12.4 Mobility in soil

No data

## 12.5 Results of PBT and vPvB

Not classified

## 12.6 Other adverse data

No data

## 13. DISPOSAL CONSIDERATIONS

Disposal route should not permit contamination of groundwater.

### 13.1 Waste treatment methods

Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

## 14. TRANSPORT INFORMATION

### 14.1 UN-Number

ADR, IMDG, IATA Not applicable

### 14.2 UN proper shipping name

ADR, IMDG, IATA Not applicable

### 14.3 Transport hazard class(es)

ADR, IMDG, IATA Not applicable

### 14.4 Packaging Group

ADR, IMDG, IATA Not applicable

### 14.5 Environmental hazards

Not a marine pollutant

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific to this substance:

This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical Safety Assessment

Not undertaken for this material

## 16. OTHER INFORMATION

### Reason for revision

MSDS re-formatted in-line with regulation 453/2010 all sections affected.

**Liability**

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by Thomas Elliott (Fertilisers), for Health and Safety purposes from the best knowledge available at the time of printing.