

**Safety data sheet**  
according to 1907/2006/EC, Article 31

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

# Microtracers F-Lake

(Blue, Red, Brown, Yellow, Green, Orange, Violet, Natural Orange, etc.)

### 1.2. Relevant identified uses of the substance or mixture:

ADDITIVE FOR USE IN ANIMAL FEED

### Uses advised against:

No information available at present

### 1.3 Details of the supplier of the safety data sheet

Micro-Tracers, Inc – 1370 Van Dyke Ave., San Francisco, CA, 94124, USA

Phone: 1-415-822-1100

Fax: 1-415-822-6615

[info@microtracers.com](mailto:info@microtracers.com)

### 1.4. Further information obtainable from: [david@microtracers.com](mailto:david@microtracers.com)

**Emergency telephone number:** 1-800-359-0920 or 415-664-2891 (24 hours/day)

## 2 Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1. Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

### 2.1.2. Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### 2.1.3 Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2. Label elements

#### 2.2.1 Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

#### 2.2.2. Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3 Composition/information on ingredients

### 3.1. Chemical characterization: Mixtures

· **Description:** Principal ingredients (min 95%): iron or steel grit. Minor components (max 5%): natural and/or artificial food colors with traces of food grade coating.

### 3.2. Dangerous components: Void

3.3. **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

**General information:** No special measures required.

(Contd. on page 2)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

**Trade name: Microtracers F-Lake**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

(Contd. of page 1)

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**4.2. Most important symptoms and effects, both acute and delayed:** food coloring may cause minor nasal irritation and production of colored mucous. A dusk mask should be worn when working with Microtracers to avoid this problem

**4.3. Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray.

**5.2. Special hazards arising from the substance or mixture** No further relevant information available.

**5.3. Advice for firefighters:** Protective respirator

## 6 Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures** Avoid contact with eyes, use protective respirator

**6.2. Environmental precautions:** No special measures required.

**6.3. Methods and material for containment and cleaning up:** Pick up mechanically.

**6.4. Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

**7.1. Precautions for safe handling** Sweep up and dispose of as non-hazardous waste. Cleanup personnel should wear dusk mask. Mop area of spill with water and soap. A 10% Bleach solution can clean up coloring

**7.2 Information about fire - and explosion protection:** No special measures required.

**7.3. Conditions for safe storage, including any incompatibilities:** For certain Microtracers, avoid formulations containing dry choline. Stability should be determined for any premix in which Microtracers will be included.

**7.4. Requirements to be met by storerooms and receptacles:** No special requirements.

**7.5. Information about storage in one common storage facility:** Not required.

**7.6. Further information about storage conditions:** None.

**7.7 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**8.1. Additional information about design of technical facilities:** No further data; see item 7.

**8.2. Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

**Trade name:** Microtracers F-Lake

**Exposure controls**

**8.3. General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**8.4 Respiratory protection:** use protective respirator

**8.5. Protection of hands:** use protective gloves (rubber or cotton) to avoid skin coloring

**8.6. Eye protection:** Safety Glasses or equivalent

## 9 Physical and chemical properties

**Information on basic physical and chemical properties**

**General Information**

**9.1. Appearance:**

**Form:**

Fine Granular

**Color:**

Generally the product will be tinted the color of the dye or it will appear charcoal in color.

**· Odour:**

Characteristic

**· Odour threshold:**

Not determined.

**9.2. pH-value (100 g/l) at 20°C:**

6.5-7.5

**9.3. Change in condition**

**Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

Undetermined.

**9.4. Flash point:**

Undetermined.

**9.5. Flammability (solid, gaseous):**

Not determined.

**9.6. Ignition temperature:**

Not determined.

**9.7. Decomposition temperature:**

Coloring may decompose above 90 ° C.

**9.8. Self-igniting:**

Product is not self-igniting.

**9.9. Danger of explosion:**

Product does not present an explosion hazard.

**9.10. Explosion limits:**

**Lower:**

Not determined.

**Upper:**

Not determined.

**9.11. Vapour pressure:**

Not applicable.

**9.12. Bulk Density at 20°C:**

2.4-2.7 g/cm<sup>3</sup>

**· Relative density**

Not determined.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

**Trade name: Microtracers F-Lake**

(Contd. of page 3)

9.13. <b>Vapour density</b>	<i>Not applicable.</i>
9.14. <b>Evaporation rate</b>	<i>Not applicable.</i>
9.15. <b>Solubility in / Miscibility with water:</b>	<i>Insoluble.</i>
9.16. <b>Segregation coefficient (n-octanol/water):</b>	<i>Not determined.</i>
9.17. <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not applicable.</i>
<b>Kinematic:</b>	<i>Not applicable.</i>
9.18. <b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>0.0 %</i>
<b>VOC (EC)</b>	<i>0.01 %</i>
9.19. <b>Solids content:</b>	<i>100.0 %</i>
9.20. <b>Other information</b>	<i>No further relevant information available.</i>

## 10 Stability and reactivity

- 10.1. **Chemical stability:** *Stable*
- 10.2. **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- 10.3. **Possibility of hazardous reactions** *No dangerous reactions known.*
- 10.4. **Conditions to avoid** *Containers once opened must be securely sealed if a portion of the product is to be stored. The product is mildly hygroscopic.*
- 10.5. **Incompatible materials:** *No further relevant information available.*
- 10.6. **Hazardous decomposition products:** *No dangerous decomposition products known.*

## 11 Toxicological information

### Information on toxicological effects

- 11.1. **Acute toxicity:**
- 11.2. **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
  - **on the eye:** *No irritating effect.*
- 11.3. **Sensitization:** *No sensitizing effects known.*
- 11.4. **Additional toxicological information:**  
*The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.*  
*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

## 12 Ecological information

### Toxicity

- 12.1. **Aquatic toxicity:** *No further relevant information available.*
- 12.2. **Persistence and degradability** *No further relevant information available.*
- 12.3. **Behaviour in environmental systems:**
- 12.4. **Bioaccumulative potential** *No further relevant information available.*
- 12.5. **Mobility in soil** *No further relevant information available.*
- 12.6. **General notes:** *Generally not hazardous for water*

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

**Trade name: Microtracers F-Lake**

(Contd. of page 4)

**12.7. Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**12.8. Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**13.1. Waste treatment methods**

- **Recommendation** Smaller quantities can be disposed of with household waste.

**13.2. Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** The cargo is not restricted by IATA
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** The cargo is not restricted by IATA
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** The cargo is not restricted by IATA
- **Packing group**
- **ADR, IMDG, IATA** The cargo is not restricted by IATA
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### 15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.*