

# Fusion

## Tracer OneShot

### Material Safety Data Sheet

Issue: 01 - Nov 2015

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

**1.1 Product Identifier** Fusion Tracer OneShot

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant uses: Use as a professional use fertiliser.

**1.3. Details of the supplier of the safety data sheet**

Company: Indigrow Ltd, The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH. UK.  
Phone: +44 (0) 1189 710 995  
Email: growth@indigrow.com

**1.4. Emergency telephone number** +44 (0) 7725 962 366

#### SECTION 2: Hazards Identification

**2.1. Classification of the substance or mixture**

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging

This mixture is not classified as dangerous to humans or the environment

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

This mixture is not classified as dangerous to humans or the environment

Primary Hazard

No hazard

**2.2. Label elements**



There are no statutory labelling requirements under Directive 1999/45/EC, regulation 1272/2008 and regulation 453/2012

**2.3. Other hazards**

Mixture not classed as PBT or vPvB.

#### SECTION 3: Composition/Information on Ingredients

Hazardous components:

| Chemical Name                    | CAS-No./EINECS-No.     | REACH number                                  | Symbol(s)   | R-phrases(s)   | Concentrations [%] |
|----------------------------------|------------------------|---|---|--|--------------------|
| Disodium octaborate tetrahydrate | 12280-03-4 / 234-541-0 | 01-2119490860-33<br>Reach registration number | According to 1272/2008:<br>GHS03<br><br>According to 67/548/EEC:<br><br>TOXIC Reproductive Category 2 | According to 1272/2008:<br>Repr. 1B H360FD<br><br>According to 67/548/EEC:<br>R60-61 | <4.5               |




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|   |                          |   |  |   |      |
|---|--------------------------|---|--|---|------|
| Ethylenediamine-tetraacetic acid, copper-disodium complex | 237-864-5/<br>14025-15-1 | - | <p>According to 1272/2008: GHS07</p>  <p>According to 67/548/EEC:</p>  <p>Xn - Harmful</p>  <p>Xn - Harmful</p> | <p>According to 1272/2008: Acute Tox. 4 -H302; Eye Irrit. 2 - H319</p> <p>According to 67/548/EEC: R22, R36</p> | <2.0 |
|---|--------------------------|---|--|---|------|

The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

#### SECTION 4: First-Aid Measures

##### 4.1. Description of first aid measures

|                  |   |
|------------------|---|
| By inhalation:   | Remove from source of exposure to fresh air; seek medical attention if symptoms arise or persist.   |
| By skin contact: | Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.                                     |
| By eye contact:  | Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop. |
| By consumption:  | Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention if symptoms arise or persist.   |

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

Information not available.

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

Information not available.

#### SECTION 5: Fire-Fighting Measures

##### 5.1. Extinguishing media

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

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

Possible irritant fumes arising from combustion.

##### 5.3. Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus.



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#### SECTION 6: Accidental Release Measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Ensure adequate ventilation

Use personal protective equipment: appropriate coveralls and gloves  
eye/face protection  
appropriate respirator

Avoid contact with skin and eyes.

##### 6.2. Environmental precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency.

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

Sweep avoiding generating dust into labelled containers for recovery or contact specialist waste disposal contractor.

##### 6.4. Reference to other sections

See also section 8

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#### SECTION 7: Handling and Storage

##### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Wash Hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

##### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.

##### 7.3. Specific end use(s)

No information available

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#### SECTION 8: Exposure Controls/Personal Protection

##### 8.1. Control parameters

###### 8.1 Control Parameters

Ethylenediaminetetraacetic acid, copper-disodium complex

DNEL: Workers - Hazard via inhalation route – 1,8 mg/m<sup>3</sup>  
Workers - Hazard via dermal route - 3750 mg/kg bw/day  
General Population - Hazard via inhalation route – 0,45 mg/m<sup>3</sup>  
General Population - Hazard via dermal route - 1875 mg/kg bw/day  
PNEC: PNEC aqua (freshwater) - 2.95 mg/L  
PNEC aqua (marine water) - 0.3 mg/L  
PNEC aqua (intermittent releases) - 1.09 mg/L  
PNEC STP - 65.4 mg/L  
Sediment (freshwater) - No exposure of sediment expected  
Sediment (marine water) - No exposure of sediment expected  
AIR - No hazard identified  
PNEC soil - 0.21 mg/kg soil dw



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#### 8.2. Exposure controls

Goggles – Eye Protection : goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection.

Respirators – BS approved protection device with P3 filter.

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#### SECTION 9: Physical and Chemical Properties

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

|  |                                     |
|--|-------------------------------------|
| Appearance:                                    | Brown Powder                        |
| Odour:   | Information not specified           |
| pH:  | Information not specified           |
| Melting point/freezing:                        | Information not specified           |
| Flammability (solid, gas):                     | Mixture not classified as Flammable |
| Upper /lower flammability or explosive limits: | Mixture not classified as Explosive |
| Relative density:                              | Information not specified           |
| Solubility (ies):                              | Information not specified           |

##### 9.2. Other information

No other relevant information available.

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#### SECTION 10: Stability and Reactivity

##### 10.1. Reactivity

Unknown

##### 10.2. Chemical stability

Stable under normal conditions of use.

##### 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

Possible Irritant fumes

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#### SECTION 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



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Toxicological information on hazardous ingredients:  
Ethylenediaminetetraacetic acid, copper-disodium complex

| Substance Name | % w/w | Method                            | Result | Units |
|----------------|-------|-----------------------------------|--------|-------|
| Cu EDTA        | 100   | LD50 (oral, rat)                  | 890    | mg/kg |
|                |       | LC50 (rat, inhal, 4 h, OECD 436): | > 5,32 | mg/l  |

Skin corrosion/irritation: slight irritated, but no classification and labeling was considered to be needed based on the results of this study

Serious eye damage/eye irritation: irritating according to OECD test No 405

Respiratory or skin sensitization: not sensitising (OECD 429)

Germ cell mutagenicity: The test substance EDTA-CuNa2 is not mutagenic in the Ames test under the experimental conditions used (OECD 471)

Carcinogenicity: conclusive but not sufficient for classification

Reproductive toxicity: conclusive but not sufficient for classification

Specific target organ toxicity: single exposure – conclusive but not sufficient for classification

Specific target organ toxicity: repeated exposure – conclusive but not sufficient for classification

Aspiration hazard: not applicable (solid substance)

Potential health effects: No data available

Signs and Symptoms of Exposure: No data available

Disodium octaborate tetrahydrate:

TOXIC DOSE 1 - LD 50 3450 mg/kg (oral-mouse)

TOXIC DOSE 2 - LD 50 2660 mg/kg (oral rat)

TOXICOLOGICAL INFORMATION: This material is toxic.

INHALATION: Dust may irritate throat and respiratory system and cause coughing.

INGESTION: Irritating. May cause nausea, stomach pain and vomiting.

SKIN CONTACT: May cause skin irritation/eczema.

EYE CONTACT: Irritating and may cause redness and pain.

HEALTH WARNINGS:

INGESTION: May cause stomach pain or vomiting

INHALATION: May cause irritation to the respiratory system

SKIN CONTACT: May cause skin irritation/eczema. May cause sensitisation by skin contact

EYE CONTACT: Irritating to eyes

#### 11.2. Other Information

None.

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#### SECTION 12: Ecological Information

##### 12.1. Toxicity

Mixture Classified as Not Toxic to the environment in accordance with the Dangerous Preparations Directive 1999/45/EC

##### 12.2. Persistence and degradability

Readily biodegradable

##### 12.3. Bioaccumulative potential

Information not available

##### 12.4. Mobility in soil

Information not available

##### 12.5. Results of PBT and vPvB assessment

Not classified



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#### 12.6. Other adverse effects

Not described

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#### SECTION 13: Disposal Considerations

##### 13.1. Waste treatment methods

Use only licensed waste disposal companies. Do not re-use empty containers for any purpose.

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#### SECTION 14: Transport Information

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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#### SECTION 15: Regulatory Information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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

The supplier has not carried out evaluation of chemical safety.

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#### 16. OTHER INFORMATION

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the user's risk and sole responsibility to verify and satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

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