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SRF 19-5-19

Material Safety Data Sheet

Issue: 01 - Oct 2016

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

1.1 Product Identifier Impact SRF 19-5-19

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Fertiliser. For professional use only.

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 Regulation (EC) No. 1272/2008 [CLP]:

Physical hazards: Not Classified
Health hazards: Eye Irrit. 2 - H319
Environmental hazards: Not Classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard pictogram:



Signal word: Warning
Hazard statements: H319: Causes serious eye irritation.
Precautionary statements: P264: Wash contaminated skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Identification	Chemical Name/Classification	Concentration	
CAS: 65996-95-4 EC: 266-030-3 Index: Non-applicable REACH: 2119493057-33	Powder TSP	10-30%	
	Directive 67/548/EC		Xi; R41
	Regulation 1272/2008		Eye Irrit. 2 - H319
CAS: 17375-41-6 EC: 231-753-5 Index: Non-applicable REACH: 2119513203-57	Ferrous Sulphate Monohydrate	5-10%	
	Directive 67/548/EC		Xn; R22. Xi; R36/38
	Regulation 1272/2008		Acute Tox. 4 - H302; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Inhalation:	Get medical attention if symptoms are severe or persist.
Ingestion:	Get medical attention if symptoms are severe or persist.
Skin contact:	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Eye contact:	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

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

Inhalation:	Dust in high concentrations may irritate the respiratory system.
Ingestion:	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact:	Skin irritation should not occur when used as recommended.
Eye contact:	Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation.

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

Notes for the doctor:	Treat symptomatically.
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SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards:	None known.
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5.3. Advice for fire-fighters

Protective actions during firefighting:	No specific firefighting precautions known.
Special protective equipment for firefighters:	Use protective equipment appropriate for surrounding materials.



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SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Take care as floors and other surfaces may become slippery. Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Usage precautions: Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

Advice on general occupational hygiene:

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Store in a dry place.

7.3. Specific end use(s)

See section(s): 1.2.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Occupational exposure limits

Methylene Urea (Med): Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ (inhalable dust)

Long-term exposure limit (8-hour TWA): WEL 3 mg/m³ (respirable dust)

Ferrous Sulphate Monohydrate: Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

Ammonium Sulphate: Long-term exposure limit (8-hour TWA): LTEL 10Mg/m³

WEL = Workplace Exposure Limit

Potash (CAS: 7447-40-7)

DNEL: Workers - Dermal; Short/long term systemic effects: 580 mg/kg/day

Workers - Inhalation; Short/long term systemic effects: 292 mg/m³

PNEC: Industry - Fresh/Marine water; 0.047 mg/l

Urea (CAS: 57-13-6)

DNEL Consumer - Oral; Long/short term systemic effects: 42 mg/kg/day

Consumer - Dermal; Long/short term systemic effects: 580 mg/kg/day

Industry/Professional - Dermal; Long/short term systemic effects: 580 mg/kg/day

Consumer - Inhalation; Long/short term systemic effects: 125 mg/m³



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PNEC Industry/Professional - Inhalation; Short term local/systemic effects: 292 mg/m³
Fresh water; 0.47 mg/l; Marine water; 0.047 mg/l

Ferrous Sulphate Monohydrate (CAS: 17375-41-6)
DNEL Industry - Dermal; Long/short term systemic effects: 0.57 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.5 mg/m³
Industry - Inhalation; Long/short term systemic effects: 2.01 mg/kg/day
General population - Inhalation; Short term systemic effects: 0.5 mg/m³
General population - Dermal; Long/short term systemic effects: 0.29 mg/kg/day
General population - Oral; Long/short term systemic effects: 0.29 mg/kg/day
PNEC Sediment (Freshwater/Marinewater); 49.5 mg/kg sediment dw
Soil; 55.5 mg/kg

8.2. Exposure controls

Appropriate engineering controls: All handling should only take place in well-ventilated areas.
Eye/face protection: Wear eye protection.
Hand protection: Wear protective gloves.
Other skin and body protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Respiratory protection: No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Granules.
Colour: Beige. to Dark brown. or Black.
Odour: Mild.
Odour threshold: Not determined.
pH: Slightly Acidic.
Flammability (solid, gas): The product is not flammable.
Oxidising properties: Does not meet the criteria for classification as oxidising.

9.2. Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable when stored in a dry place.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity - oral:	ATE oral (mg/kg): 30,303.03
Acute toxicity - dermal:	Notes (dermal LD50): No specific test data are available.
Acute toxicity - inhalation:	Notes (inhalation LC50): No specific test data are available.
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Irritation of eyes is assumed.
Respiratory sensitisation:	Based on available data the classification criteria are not met.
Skin sensitisation:	Based on available data the classification criteria are not met.
Germ cell mutagenicity	Genotoxicity - in vitro: This substance has no evidence of mutagenic properties.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Fertility: Does not contain any substances known to be toxic to reproduction.
Specific target organ toxicity - single exposure:	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure:	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard:	Not anticipated to present an aspiration hazard, based on chemical structure.
Eye contact:	The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

SECTION 12: Ecological Information

12.1. Toxicity

No data / information available.

12.2. Persistence and degradability

The product is slowly degradable.

12.3. Bioaccumulative potential

Not known.

12.4. Mobility in soil

No data / information available.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not relevant.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

General information:	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods:	Reuse or recycle products wherever possible. No specific disposal method required.

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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) (as amended).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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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