



Impact

CGF 25-5-10 + 2% MgO

Material Safety Data Sheet

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

1.1 Product Identifier Impact CGF 25-5-10 + 2% MgO

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

Mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

Classification according 67/548/EC and 88/379/EC or 1999/45/EC

Full text of R-phrases: see section 16

2.2. Label elements

Product Identifier:

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

Signal Word:

None

EUH210 - Safety data sheet available on request

2.3. Other hazards

Causes mild skin irritation.

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SECTION 3: Composition/Information on Ingredients

3.1. Substances

Ingredients	EC-No.	CAS-No	Weight (%)	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Urea	200-315-5	57-13-6	25-40%	NE	Not classified	01-2119463277-33
Calcium Carbonate CaCO ₃	207-439-9	471-34-1	5-10%	NE	Not classified	Exempt
Sulphur; S	231-722-6	7704-34-9	1-5%	Xi;R38	Skin Irrit. 2 (H315)	01-2119487295-27
Magnesium oxide; MgO	215-171-9	1309-48-4	1-5%	NE	Not classified	Exempt
Calcium Sulphate anh; CaSO ₄	231-900-3	7778-18-9	1-5%	NE	Not classified	No data available
Iron sulphate; FeSO ₄ +1H ₂ O	231-753-5	7720-78-7	0.1-1%	Xn; R22 Xi; R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119513203-57
Magnesite; MgCO ₃	208-915-9	564-93-0	0.1-1%	NE	Not classified	01-2119523999-20
Zinc Sulphate anh; ZnSO ₄	231-793-3	7733-02-0	<0.1%	N;R50/53 Xn;R22-41	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Manganese Sulphate; MnSO ₄ +1H ₂ O	232-08-99	7785-87-7	<0.1%	N;R51/53 Xn;R48/20/22	STOT RE 2 (H373) Aquatic Chronic 2 (H411)	01-2119456624-35

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

General Advice:	First aid measures should be executed by trained personnel only.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
Protection of First-Aiders:	Low hazard for usual industrial or commercial handling.

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

Symptoms: None under normal processing.

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

Notes to Physician: None under normal processing.



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SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO₂, water spray or "alcohol" foam.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for fire-fighters

Coordinate fire extinguishing measures to fire in surrounding area.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow product to enter the environment uncontrolled.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleanup: Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

See sections 8, 12 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions: Keep container tightly closed in a dry and well-ventilated place.

Packaging Materials: Bags or Bulk.

7.3. Specific end use(s)

Specific use(s): Fertilizer; Read and follow label instructions

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SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Occupational Exposure Limits

Element	Occupational Exposure Limit
Urea	10 mg/m ³ TWA
Calcium Carbonate; CaCO ₃	6 mg/m ³ TWA
Sulphur; S	6 mg/m ³ TWA
Magnesium oxide; MgO	4 mg/m ³ TWA; 12 mg/m ³ STEL
Calcium Sulfate anh; CaSO ₄	3 mg/m ³ TWA; 10 mg/m ³ STEL
Iron sulphate; FeSO ₄ +1H ₂ O	1 mg/m ³ TWA; 2 mg/m ³ STEL
Magnesite; MgCO ₃	3 mg/m ³ TWA; 12 mg/m ³ STEL
Manganese sulphate; MnSO ₄ +1H ₂ O	0.1 mg/m ³ TWA; 2 mg/m ³ STEL

8.2. Exposure controls

Engineering Measures to Reduce Exposure: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/Face Protection: Tightly fitting safety goggles
 Hand protection: Nitrile rubber (0.26 mm). Break through time. > 8 h.
 Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment
 Skin and Body Protection: Lightweight protective clothing
 Hygiene Measures: Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls: Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Solid
 Appearance: granules
 Colour: off-white, white, yellow, grey, red.
 Odour: Not significant
 pH: no data available
 Melting Point/Freezing Point: no data available
 Flammability (solid, gas): Non-flammable
 Water Solubility: Soluble in water
 Explosive Properties: Doesn't present explosion hazard. Based on data of ingredients.

9.2. Other information

Bulk density: 836-986 kg/m³



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SECTION 10: Stability and Reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions: None under normal processing.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials

Not applicable

10.6. Hazardous decomposition products

None under normal processing.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute Toxicity:

Inhalation:	May cause irritation of respiratory tract.
Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Unknown Acute Toxicity:	0% of the mixture consists of ingredient(s) of unknown toxicity.

Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Carbonate; CaCO ₃	= 6450 mg/kg (Rat)		
Sulphur; S	> 3000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 9.23 mg/L (Rat) 4 h
Calcium Sulfate anh; CaSO ₄	> 3000 mg/kg (Rat)		
Iron sulphate; FeSO ₄ +1H ₂ O	= 500 mg/kg (Rat)		
Zinc Sulfate anh; ZnSO ₄	= 500 mg/kg (Rat)		
Manganese sulphate; MnSO ₄ +1H ₂ O	= 782 mg/kg (Rat)		

Skin Corrosion or Irritation:	See also section 3.
Serious Eye Damage or Eye Irritation:	See also section 3.
Sensitization:	See also section 3.
Mutagenic effects:	See also section 3.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
STOT - Single Exposure:	No known effects under normal use conditions.
STOT - Repeated Exposure:	None under normal use conditions.
Aspiration Hazard:	No data available.

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SECTION 12: Ecological Information

12.1. Toxicity

Do not allow product to enter the environment uncontrolled.

1% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Crustacea
Urea		16200 - 18300: 96 h <i>Poecilia reticulata</i> mg/L LC50	3910: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Sulphur; S		866: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 14: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 180: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	
Calcium Sulfate anh; CaSO ₄		2980: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1970: 96 h <i>Pimephales promelas</i> mg/L LC50 static	
Iron sulphate; FeSO ₄ +1H ₂ O		925: 96 h <i>Poecilia reticulata</i> mg/L	152: 48 h <i>Daphnia magna</i> mg/L
Zinc Sulfate anh; ZnSO ₄	0.056: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static	0.162: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.03 - 0.05: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.34 - 0.93: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 0.218 - 0.42: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 0.168 - 0.25: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static 0.15: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 3 - 4.6: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 16.85 - 27.18: 96 h <i>Cyprinus carpio</i> mg/L LC50 static 49.23 - 64.16: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 0.48 - 1.72: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 0.63: 96 h <i>Poecilia reticulata</i> mg/L LC50 3.55 - 6.32: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.06: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.23 - 0.48: 96 h <i>Pimephales promelas</i> mg/L LC50	0.538 - 0.908: 48 h <i>Daphnia magna</i> mg/L EC50 Static 0.75: 48 h <i>Daphnia magna</i> mg/L EC50

12.2. Persistence and degradability

Not available

12.3. Bioaccumulative potential

Ingredients	LOGPOW
Urea	-1.59

12.4. Mobility in soil

Not available



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12.5. Results of PBT and vPvB assessment

Not available

12.6. Other adverse effects

Not applicable

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Disposal of Wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging:	Do not re-use empty containers. Dispose of as unused product.
Other Information:	Use up product completely. Packaging material is industrial waste.

SECTION 14: Transport Information

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

SECTION 15: Regulatory Information

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

The product does not contain substances of very high concern (SVHC).

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

15.2. Chemical Safety Assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

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.

ISSUE 3 12/14 GCL
