



# Impact

## CGF 15-5-15

### 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 15-5-15

**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

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#### 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 <sub>3</sub>	207-439-9	471-34-1	10-25%	NE	Not classified	Exempt
Calcium Sulphate anh; CaSO <sub>4</sub>	231-900-3	7778-18-9	1-5%	NE	Not classified	No data available
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	0.1-1%	NE	Not classified	Exempt
Magnesite; MgCO <sub>3</sub>	208-915-9	564-93-0	0.1-1%	NE	Not classified	01-2119523999-20

#### 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.

#### SECTION 5: Fire-Fighting Measures

##### 5.1. Extinguishing media

Suitable extinguishing media:	Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO <sub>2</sub> , 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.



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#### 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.

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#### 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 <sup>3</sup> TWA
Calcium Carbonate; CaCO <sub>3</sub>	6 mg/m <sup>3</sup> TWA
Calcium Sulfate anh; CaSO <sub>4</sub>	3 mg/m <sup>3</sup> TWA; 10 mg/m <sup>3</sup> STEL
Sulphur; S	6 mg/m <sup>3</sup> TWA
Magnesium oxide; MgO	4 mg/m <sup>3</sup> TWA; 12 mg/m <sup>3</sup> STEL
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O	0.1 mg/m <sup>3</sup> TWA; 2 mg/m <sup>3</sup> STEL

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#### 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.

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#### SECTION 9: Physical and Chemical Properties

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

Physical State:	Solid
Appearance:	granules
Colour:	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: 927-1077 kg/m<sup>3</sup>

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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.

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#### 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 <sub>3</sub>	= 6450 mg/kg (Rat)		
Calcium Sulfate anh; CaSO <sub>4</sub>	> 3000 mg/kg (Rat)		
Sulphur; S	> 3000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 9.23 mg/L ( Rat ) 4 h

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.

#### 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 Poecilia reticulata mg/L LC50	3910: 48 h Daphnia magna mg/L EC50 Static
Calcium Sulfate anh; CaSO <sub>4</sub>		2980: 96 h Lepomis macrochirus mg/L LC50 static 1970: 96 h Pimephales promelas mg/L LC50 static	
Sulphur; S		866: 96 h Brachydanio rerio mg/L LC50 static 14: 96 h Lepomis macrochirus mg/L LC50 static 180: 96 h Oncorhynchus mykiss mg/L LC50 static	

##### 12.2. Persistence and degradability

Not available

##### 12.3. Bioaccumulative potential

Ingredients	LOGPOW
Urea	-1.59



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#### 12.4. Mobility in soil

Not available

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

Not available

#### 12.6. Other adverse effects

Not applicable

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### 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.

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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

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.

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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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