



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

1.1 Product Identifier RePhlex LS

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

Relevant uses: Fertiliser. For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3

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

CLP-classification: Eye Irrit. 2;H319
Most serious harmful effects: Causes serious eye irritation.

2.2. Label elements

Pictograms:



Signal word: Warning
Hazard indications: H319: Causes serious eye irritation.
Cautionary advice: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/eye 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+313: If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Non-applicable

SECTION 3: Composition/Information on Ingredients

3.1. Substance

Non-applicable

3.2. Mixture

Substance	CAS Number	Concentration	CLP-classification
Calcium lignosulfonate	8061-52-7	53-57%	
2-hydroxypropane-1,2,3-tricarboxylic acid	5949-29-1	<20%	Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335



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SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Inhalation: Seek fresh air.
Ingestion: Drink plenty of water. Seek medical advice in case of discomfort.
Skin contact: Wash the skin thoroughly with water and continue washing for a long time.
Eye contact: Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

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

None known.

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

None known.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist.
Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for fire-fighters

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear suitable protective clothing. Keep unnecessary personnel away.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 13 for instructions on disposal.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

In the event of direct skin contact, wear protective gloves: Provide good ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area.



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7.3. Specific end use(s)

Wear suitable protective clothing.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Substance name	Time period	ppm	mg/m ³
Nuisance dust, total	8H	0	10

Measuring methods: Use personal protective equipment.

8.2. Exposure controls

Appropriate engineering controls:

Provide good ventilation.

Personal protective equipment, eye/face protection:

Wear safety goggles/face protection.

Personal protective equipment, hand protection:

Wear gloves.

Personal protective equipment, respiratory protection:

Not required

Environmental exposure controls:

Do not discharge large quantities of concentrated spills and residue into drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State: Liquid.
Colour: Brown.
Odour: Weak characteristic odour.
Solubility: Water soluble.
pH (solution for use): 2.30 ~ (10% sol.)
Initial boiling point & boiling range: 100 ~ °C

9.2. Other information

Density: 1280 ~ kg/m³

SECTION 10: Stability and Reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

**10.6. Hazardous decomposition products**

None known.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Calcium lignosulfonate:

	Organism	Test Type	Value	Conclusion	Test Method
Acute toxicity - oral	Rat	LD50	> 5000 mg/kg	-	-
Acute toxicity - dermal	-	-	-	-	-
Skin corrosion/irritation	Rabbit	-	-	Non-irritating	OECD 404
Serious eye damage/eye irritation	Rabbit	-	-	Non-irritating	OECD 405
Other toxicological effects	Mouse	-	-	Non-sensitising	OECD 429

Irritating to eyes. Causes a burning sensation and tearing.

SECTION 12: Ecological Information

12.1. Toxicity

Organism	Species	Exposure Time	Test Type	Value	Source
Fish	Brachydanio rerio	96H	EC50	> 1000 mg/l	Similar Product
Algae	Scenedesmus subspicatus	24, 48, 72H	EC50	> 600 mg/l	Similar Product
Crustacea	Daphnia magna	24, 48 H	EC50	> 1000 mg/l	Similar Product

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Expected to be biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Solubility in water: Soluble

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Dump or destroy in accordance with official recommendations and applicable legislation. Do not discharge large quantities of concentrated spills and residue into drains.



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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

Special Provisions: ADR/RID (2007) ECHA FAQ 7.7. GHS / CLP (EC NO1272/2008) GHS USA June, 2015.

15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

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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