

Indiplex Kombi

Material Safety Data Sheet

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

1.1 Product Identifier Indiplex Kombi

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

Classification of this product has been carried out in accordance with GB CLP Regulation:
Repr. 1B: Reproductive toxicity, Category 1B , H360FD

2.2. Label elements

Hazard indications: H360FD: May damage fertility. May damage the unborn child.
Hazard pictograms:



Signal words: Danger
Cautionary advice: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Substances that contribute to the classification:

Disodium octaborate · 4H₂O

Acute Toxicity Estimate (ATE mix): 56.5 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other hazards

Product fails to meet PBT/vPvB criteria.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Non applicable.

3.2. Mixtures

Chemical description: Mixture composed of inorganic substances

Hazardous ingredients:

Chemical name	CAS	CLP Classification	Percent
disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-)	14025-15-1	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	2.5-<10%
Disodium octaborate · 4H ₂ O	12280-03-4	Repr. 1B: H360FD - Danger	1-<2.5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:	This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.
By skin contact:	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet
By eye contact:	Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.
By ingestion/aspiration:	Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media: Non-applicable

5.2. Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3. Advice for fire-fighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...).

Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal.

For emergency responders: See section 8.

6.2. Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal.

6.4. Reference to other sections

Refer to section 8 and 13 of SDS.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Precautions for safe manipulation: Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions:

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

Technical recommendations to prevent ergonomic and toxicological risks:

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks:

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3).

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for storage: Minimum Temp.: 5 °C
Maximum Temp.: 30 °C

General conditions for storage: Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3. Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace:

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):

		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
disodium [[N,N'-ethylenebis[N-(carboxymethyl) glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1 EC: 237-864-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3750 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1.8 mg/m ³	Non-applicable
Disodium octaborate · 4H ₂ O CAS: 12280-03-4 EC: 234-541-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	326 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6.9 mg/m ³	Non-applicable

DNEL (General population):

		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
disodium [[N,N'-ethylenebis[N-(carboxymethyl) glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1 EC: 237-864-5	Oral	Non-applicable	Non-applicable	0.375 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1875 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0.45 mg/m ³	Non-applicable
Disodium octaborate · 4H ₂ O CAS: 12280-03-4 EC: 234-541-0	Oral	0.81 mg/kg	Non-applicable	0.81 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	163.3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3.5 mg/m ³	Non-applicable

PNEC:

Identification				
disodium [[N,N'-ethylenebis[N-(carboxymethyl) glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1 EC: 237-864-5	STP	65.4 mg/L	Fresh Water	2.95 mg/L
	Soil	0.21 mg/kg	Marine Water	0.3 mg/L
	Intermittent	1.09 mg/L	Sediment (Fresh Water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine Water)	Non-applicable
Disodium octaborate · 4H ₂ O CAS: 12280-03-4 EC: 234-541-0	STP	10 mg/L	Fresh Water	2.9 mg/L
	Soil	5.7 mg/kg	Marine Water	2.9 mg/L
	Intermittent	13.7 mg/L	Sediment (Fresh Water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine Water)	Non-applicable

8.2. Exposure controls

General security and hygiene measures in the work place:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

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Respiratory protection:	Mandatory respiratory tract protection PPE: Filter mask for gases and vapours Remarks: Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.
Specific protection for the hands:	Mandatory hand protection PPE: NON-disposable chemical protective gloves Remarks: The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.
Ocular and facial protection:	Mandatory face protection PPE: Face shield Remarks: Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.
Body protection:	Mandatory complete body protection PPE: Disposable clothing for protection against chemical risks Remarks: For professional use only. Clean periodically according to the manufacturer's instructions. Mandatory foot protection PPE: Safety footwear for protection against chemical risk Remarks: Replace boots at any sign of deterioration.
Additional emergency measures:	Emergency shower Standards: ANSI Z358-1; ISO 3864-1:2011, ISO 3864-4:2011 Eyewash stations Standards: DIN 12 899 ;ISO 3864-1:2011, ISO 3864-4:2011
Environmental exposure controls:	In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C:	Solid
Colour:	White
Odour:	Undefined

9.2. Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Not applicable.

10.5. Incompatible materials

Avoid strong acids. Avoid alkalis or strong bases.

10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:	In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:
Ingestion (acute effect):	Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3. Corrosivity/Irritability: Based on available data, the classification criteria are not met.
Inhalation (acute effect):	Acute toxicity: Based on available data, the classification criteria are not met. Corrosivity/Irritability: Based on available data, the classification criteria are not met.
Contact with the skin and the eyes (acute effect):	Contact with the skin: Based on available data, the classification criteria are not met. Contact with the eyes: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):	Carcinogenicity: Based on available data, the classification criteria are not met. IARC: Non-applicable Mutagenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: May impair fertility. May damage the foetus
Sensitizing effects:	Respiratory: Based on available data, the classification criteria are not met. Skin: Based on available data, the classification criteria are not met.
Specific target organ toxicity (STOT) - single exposure:	Based on available data, the classification criteria are not met.
Specific target organ toxicity (STOT)-repeated exposure:	Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. Skin: Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Other information:	Non-applicable

Specific toxicology information on the substances:

Identification	Acute Toxicity		Genus
	LD50 oral	LD50 dermal	
Disodium octaborate · 4H ₂ O CAS: 5949-29-1	2,550 mg/kg	Non-applicable	Rat
	Non-applicable	Non-applicable	-
	Non-applicable	Non-applicable	-
disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1	890 mg/kg	Non-applicable	Rat
	Non-applicable	Non-applicable	-
	Non-applicable	Non-applicable	-

Acute Toxicity Estimate (ATE mix):

	ATE Mix	Ingredient(s) of unknown toxicity
Oral	3879.26 mg/kg (Calculation method)	56.5%
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>5 mg/L (4 h) (Calculation method)	Non-applicable

SECTION 12: Ecological Information

12.1. Toxicity

Acute toxicity:

Identification	Acute Toxicity		Species (Genus)
	LC50	EC50	
disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1	555 mg/L (96 h)		N/A (Fish)
	109 mg/L (48 h)		N/A (Crustacean)
	662 mg/L (72 h)		N/A (Algae)

Chronic toxicity:

Identification	Acute Toxicity		Species (Genus)
	NOEC	EC50	
disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]] (4-)-N,N',O,O',ON,ON']cuprate(2-) CAS: 14025-15-1	25.7 mg/L		Danio rerio (Fish)
	25 mg/L		Daphnia magna (Crustacean)

12.2. Persistence and degradability

Not available

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria.

12.6. Other adverse effects

Not described.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Code:	06 10 02*
Description	wastes containing hazardous substances
Waste Class:	Dangerous
Type of waste:	HP10 Toxic for reproduction

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated: UK legislation: The Waste Regulations 2011.

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

Substances listed in UK REACH Authorisation List (Annex 14):

Non-applicable

Substances listed in UK candidate list of substances of very high concern (SVHCs):

Disodium octaborate · 4H₂O

The Control of Major Accident Hazards Regulations 2015:

Non-applicable

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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.