



Impact

High K 0-0-50

Material Safety Data Sheet

Issue: 04 - Mar 2016

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

1.1 Product Identifier Impact High K 0-0-50

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]:
Not classified

2.2. Label elements

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

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Chemical Name	CAS-No.	EINECS-No.	Concentration
Potassium Sulphate	7778-80-5	231-915-5	92-100

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

General Information: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. Call a physician if symptoms develop or persist.

Skin contact: Brush away excess of dry material. Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.



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Eye contact: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

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

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

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

Symptoms may be delayed.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Treat for surrounding material.
Unsuitable extinguishing media: None known.
Hazardous combustion products: May include and are not limited to: Oxides of sulfur.

5.2. Special hazards arising from the substance or mixture

Firefighters should wear a self-contained breathing apparatus.

5.3. Advice for fire-fighters

Firefighters should wear full protective clothing including self contained breathing apparatus. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear a dust mask if dust is generated above exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

6.3. Methods and material for containment and cleaning up

Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.

6.4. Reference to other sections

No additional information available.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid breathing dust. Minimise dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Use good industrial hygiene practices in handling this material. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Guard against dust accumulation of this material. Store in a well-ventilated place. Store in a closed container. Keep out of reach of children.

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7.3. Specific end use(s)

No data / information available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Occupational exposure limits:	No exposure limits noted for ingredient(s).
Biological limit values:	No biological exposure limits noted for the ingredient(s).
Exposure guidelines:	This material does not have established exposure limits.
Appropriate engineering controls:	TWA PEL: No specific limits have been established for potassium sulfate (a soluble substance).
	TWA TLV: No specific limits have been established for potassium sulfate (a soluble substance).

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields.

Skin protection: Hand protection Use protective gloves. Confirm with a reputable supplier first.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.

Thermal hazards: Not available.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Solid.
Physical state:	Solid.
Form:	Granular.
Colour:	White to Brown
Odour:	Odourless
pH:	7 (10% solution)
Melting point/freezing point:	1067°C
Initial boiling point and boiling range:	1689°C
Specific gravity:	2.66 @ 21°C (H ₂ O = 1)

9.2. Other information

Density:	2.66 g/cm ³ (estimated)
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SECTION 10: Stability and Reactivity

10.1. Reactivity

May react with the following components: Aluminum. Magnesium.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.



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10.4. Conditions to avoid

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Contact with incompatible materials. Do not mix with other chemicals.

10.5. Incompatible materials

None when used and stored according to label directions.

10.6. Hazardous decomposition products

May include and are not limited to: Oxides of sulfur.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion: May cause stomach distress, nausea or vomiting.
 Inhalation: Inhalation of dusts may cause respiratory irritation.
 Skin contact: May be irritating to the skin.
 Eye contact: May be irritating to eyes. Dust in the eyes will cause irritation.

Symptoms related to the physical, chemical and toxicological characteristics:
 Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

Acute toxicity:
 Potassium sulfate

Acute		Species	Results
Dermal	LD50	Not available	-
Inhalation	LC50	Not available	-
Oral	LD50	Rat	6600 mg/kg

Skin corrosion/irritation: May cause irritation.
 Serious eye damage/eye irritation: Dust in the eyes will cause irritation.
 Specific target organ toxicity - single exposure:
 Not available.
 Specific target organ toxicity - repeated exposure:
 Not available.

SECTION 12: Ecological Information

12.1. Toxicity

Ecotoxicity:

Product	Species	Test Results
Sulfate of Potash	Fish LC50 Fathead minnow	510 - 880 mg/l, 96 hours
Potassium sulfate	Algae IC50	2900 mg/L, 72 Hours
	Crustacea EC50	890 mg/L, 48 Hours
	Fish LC50 Fathead minnow	510 - 880 mg/l, 96 hours



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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

Not available.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Hazardous waste code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this substance.



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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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