



Fusion

BioGreen NK 15-0-12

Material Safety Data Sheet

Issue: 03 - Apr 2022

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

- 1.1 Product Identifier** Fusion BioGreen NK 15-0-12
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Relevant uses: Use as a professional use fertiliser.
- 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**
GB CLP Regulation: The product is not classified as hazardous according to GB CLP Regulation.
- 2.2. Label elements**
GB CLP Regulation: None
- 2.3. Other hazards**
Product fails to meet PBT/vPvB criteria
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SECTION 3: Composition/Information on Ingredients

- 3.1. Substances**
Not applicable
- 3.2. Mixtures**
Chemical description: Mixture composed of inorganic substances
Components: None of the substances contained in the mixture are above the values fixed in Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
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SECTION 4: First-Aid Measures

- 4.1. Description of first aid measures**
Consult a doctor in case of discomfort showing the SDS for the product.
- By inhalation: In case of symptoms, move the person affected into fresh air.
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 with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.
By ingestion/aspiration: In case of consumption in large quantities, it is recommended to seek medical assistance.
- 4.2. Most important symptoms and effects, both acute and delayed**
Acute and delayed effects are indicated in sections 2 and 11.



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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, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Unsuitable extinguishing media: Non-applicable.

5.2. Special hazards arising from the substance or mixture

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

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

For non-emergency personnel: Isolate leaks provided that there is no additional risk for the people performing this task.

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

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

General precautions for safe use: 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: It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.



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Technical recommendations on general occupational hygiene:

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:

There are no applicable occupational exposure limits for the substances contained in the product.

DNEL (Workers): Non-applicable
DNEL (General population): Non-applicable
PNEC: 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.

Respiratory protection: The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

Specific protection for the hands: Mandatory hand protection
PPE: Protective gloves against minor risks
Remarks: Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

Eye and facial protection: Mandatory face protection
PPE: Panoramic glasses against splash/projections.
Remarks: Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Body protection: PPE: Work clothing
Remarks: Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
PPE: Anti-slip work shoes
Remarks: Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the



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Additional emergency measures: It is not necessary to take additional emergency measures.
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: Liquid
Colour: Brown
Relative density at 20 °C: 1.18 - 1.22
pH: 7 - 8

9.2. Other information

No other relevant 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 indicated 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

Acids: Avoid strong acids
Others: 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

LD50 oral > 2000 mg/kg (rat)

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.
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.



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Contact with the eyes: Produces eye damage after contact.

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: Based on available data, the classification criteria are not met.

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:

Not available.

Acute Toxicity Estimate (ATE mix):

	ATE Mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Non-applicable
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

SECTION 12: Ecological Information

12.1. Toxicity

Not available.

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 99

Description: wastes not otherwise specified

Waste class: Non-dangerous



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Type of waste:	Non-applicable
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. Waste should not be disposed of to drains. 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): Non-applicable

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):

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains Potassium nitrate. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

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.

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