



headland
AMENITY PRODUCTS

PRODUCT SAFETY DATA SHEET

BLAUKORN[®] PRODUCT RANGE
BLAUKORN[®] 15-3-20+2MgO+TE
BLAUKORN[®] 24-5-5+2MgO+TE
Horticultural / Amenity fertiliser

1. Marketed by:

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2. Hazards:

THESE PREPARATIONS ARE NOT CLASSIFIED AS DANGEROUS UNDER DIRECTIVE 2001/59/EC

2.1 Classification of Preparation:

UNCLASSIFIED

2.2 Primary Hazards

NONE

3. Composition:

NPK fertiliser containing: Ammonium nitrate, ammonium salts, phosphates, salts of calcium, potassium, magnesium and trace elements.

Chemical Name	CAS-No.	EINECS-No.	Index-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Ammonium Nitrate	6484-52-2	229-347-8				>= 45,00 - <= 70.00

4. First Aid Measures:

Eyes:	Irrigate with copious amounts of clean water for at least 15 minutes. Seek medical attention.
Skin:	Rinse immediately with plenty of soap and water. Seek medical attention if irritation occurs.
Ingestion:	Rinse mouth immediately then drink plenty of water. Seek medical attention. Remove
Inhalation:	from source of exposure into fresh air. Seek medical attention if any effects are observed.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media

Water

5.2 Unsuitable Extinguishing Media

Foam, dry chemical, carbon dioxide (CO₂), sand

5.3 Special Hazards, Combustion or By-Products

At temperatures above 130°C, dangerous decomposition gases can be emitted – Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia.

5.4 Protective Clothing for Fire Fighting

Suitable protective clothing and breathing apparatus.

6. Accidental Release (Spillage)

6.1 Personal Precautions

Prevent contact with skin or eyes. Use coveralls and chemical resistant gloves with eye protection as necessary.

6.2 Environmental Precautions

DO NOT wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil and vegetation), contact local agency and/or police immediately. DO NOT burn.

6.3 Clean & Disposal Methods

Use soil, sand or other absorbent material. Sweep carefully into labelled containers for re-use or disposal

7. Storage and Handling

7.1 Practical Precautions and Engineering Controls for Safe Handling

Open container with care to avoid generating dust.

The product is incombustible.

Keep away from heat and sources of ignition.

Keep away from combustible material.

7.2 Conditions and Quantity Limits for Safe Storage

Store in a cool, dry atmosphere in original, labelled containers.

DO NOT store in metal or alloy packaging.

Refer to manufacturer for maximum safe stacking height.

No storage quantity limits

8. Personal Protection

8.1 Exposure Limit Values

None determined for product.

8.2 Occupational Exposure Controls

Ensure suitable engineering controls for measuring and handling of product.

8.3 Personal Protective Equipment

Primary Hazard considered handling as concentrate.

Breathing apparatus only if dust is formed. Particle filter EN143 Type P1, low efficiency, (solid particles of inert substances)

Gloves: BS EN374 – chemical protection : physical barrier protection only.

Eye protection: goggles/face shield to BS EN166

9. Physical and Chemical Properties

9.01 Appearance:	Blue granules
9.02 Odour:	Mild
9.03 pH:	Approximately 5 at 100g/l (20°C)
9.04 Boiling Point / Range	Not applicable
9.05 Flash Point / Flammability:	Not classified as flammable
9.06 Explosive Properties:	Not classified as explosive
9.07 Oxidising Properties:	Not classified as oxidising
9.08 Vapour Pressure:	Not applicable
9.09 Relative Density:	Bulk density approximately 1.150kg/m ³
9.10 Solubility:	Mainly soluble
9.11 Partition Coefficient:	Not applicable
9.12 Viscosity:	Not applicable
9.13 Vapour Density:	Not applicable
9.14 Evaporation Rate:	Not applicable

10. Stability and Reactivity

10.1 Materials to Avoid:

Sulphur, chlorites, chloride, chlorates, Hypochlorites, acid or alkaline-reacting substances, flammable oxidisable substances, nitrites, metallic salts, metallic powder, herbicide, chlorinated hydrocarbons, organic compounds.

10.2 Conditions to avoid:

DO NOT overheat. Thermal decomposition takes place at 130°C.

10.3 Hazardous Decomposition Products:

Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia

11. Toxicological Information

Acute Oral Toxicity: LD50 Rat >2.000mg/kg

Skin Irritancy: OECD Test Guideline 404 Rabbit Non-Irritant

Eye Irritancy: OECD Test Guideline 405 Rabbit Non-Irritant

The product was not tested. The statement was derived from products of similar structure and composition.

Danger of methaemoglobin formation.

12. Environmental Protection

12.1 Ecotoxicity

Toxicity to fish:

Static Test LC50
Species Cyprinus sp.
Dose 422 mg/l
Exposure Time 48 hours

Toxicity to Aquatic Invertebrates:

Static Test EC50
Species Daphnia
Dose 555 mg/l
Exposure Time 48 hours

Toxicity to Algae:

Other No observed effect concentration
Species Green algae
Dose 83 mg/l
Exposure Time 168 hours

Toxicity to Bacteria:

Other EC20
Species Activated sludge
Dose approx. 850 mg/l
Exposure Time 0.5 hours
Remarks Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

12.2 Mobility

No specific data available.

12.3 Persistence and Degradability

No specific data available.

12.4 Bio Accumulative Potential

This product is not considered to bio accumulate.

13. Disposal of Unwanted Product and Used Containers

13.1 Disposal of Used Preparation:

Dispose in accordance with local regulations via specialised waste contractor.

13.2 Disposal of Packaging:

Use specialist waste contractor in accordance with local regulations. DO NOT remove labels from containers.

14. Transport Information

Road Transport Class:	ADR/RID
Sea:	IMDG
Air:	ICAO/IATA
	Not regulated for carriage

15. Regulatory Information

Risk Symbol:	This preparation is classified and labelled in accordance with Directive 1999/45/EC and The Fertiliser Regulations 2003. In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3), the product is not classified.
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16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC and according to Annex II of the REACH regulation Nr 1097/2006

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