

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Nitroflo 24+S

Revision 1
Revision date 2015-11-18

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

1.1. Product identifier

Product name Nitroflo 24+S

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

Description Fertiliser.

1.3. Details of the supplier of the safety data sheet

Company	Omex Agriculture Ltd
Address	Bardney Airfield Tupholme Lincoln LN3 5TP United Kingdom
Web	www.omex.co.uk
Telephone	01526 396000
Fax	01526 396001
Email	enquire@omex.com
Email address of the competent person	Safety@omex.com

1.4. Emergency telephone number

Emergency telephone number 01526 396000
9 - 5 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/37/38 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes, respiratory system and skin.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.

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2.2. Label elements

Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P405 - Store locked up. P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards	Harmful if swallowed, in contact with skin or if inhaled.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ammonium Nitrate		6484-52-2	229-347-8		20 - 30%	O; R8-9 Xi; R36/37/38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ammonium Nitrate		6484-52-2	229-347-8			Ox. Sol. 1: H271; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. DO NOT INDUCE VOMITING. May cause irritation to mucous membranes. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to mucous membranes.
Eye contact	May cause irritation to eyes.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system.

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

Inhalation	Treat according to symptoms, no known specific antidote.
Eye contact	Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

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

Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Ingestion may cause nausea and vomiting.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

	This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe. Do not flush into surface water.
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6.3. Methods and material for containment and cleaning up

	Collect and reuse if possible. Otherwise: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. To clean the floor and all objects contaminated by this material, use water.
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6.4. Reference to other sections

	See section 2, 8, 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. DO NOT allow any pump handling the product to run dry or over-heat e.g. due to blockage or closed valve in the associated lines, resulting in pumping against a deadend. Under such conditions if over-heating occurs this may cause vaporisation and possible decomposition of the product. This can create pressure build-up in the pump and, if unchecked, lead to an explosion. Ensure that the pump is used correctly according to the manufacturers instructions at all times when pumping the product.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 5 °C and 20 °C.
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7.3. Specific end use(s)

	Fertiliser.
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SECTION 8: Exposure controls/personal protection**8.2. Exposure controls**

	
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8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.
Eye / face protection	In case of splashing, wear: Eye protection. Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aqueous solution
Colour	Clear to Straw colour
Odour	Slight
pH	6.5 - 7.25
Relative density	1.2 - 1.28 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Viscosity	No data available
Evaporation rate	No data available
Vapour pressure	No data available
Vapour density	No data available
Initial boiling point	> 100 °C
Melting point	< -3 °C
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Autoignition temperature	Not applicable.
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.2 - 1.28 g/cm ³
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available
Conductivity	No data available
Surface tension	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	No data is available on this product.
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10.5. Incompatible materials

	Will not decompose if stored and used as recommended.
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10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

Ammonium Nitrate

Dermal Rat LD50: 2950 mg/kg

Oral Rat LD50: 2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ammonium Nitrate

Fish LC50/96h: 100 mg/l

Algae LC50/96h: 1700

	No data is available on this product. May cause long-term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

	Warning - this preparation contains a substance not yet tested completely.
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12.3. Bioaccumulative potential

	Caution - substance not yet fully tested.
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Partition coefficient

Nitroflo 24+S No data available

Ammonium Nitrate Not applicable.

12.4. Mobility in soil

	Caution - substance not yet fully tested.
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12.5. Results of PBT and vPvB assessment

	Warning - this preparation contains a substance not yet tested completely.
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12.6. Other adverse effects

	Warning - this preparation contains a substance not yet tested completely.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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General information

	Do NOT reuse empty containers.
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Disposal methods

	Can be sent to landfill if in compliance with local and national regulations.
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Disposal of packaging

	Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas:. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 7 - Suitable packaging.
Text of risk phrases in Section 3	R8 - Contact with combustible material may cause fire. R9 - Explosive when mixed with combustible material. R36/37/38 - Irritating to eyes, respiratory system and skin.
Text of Hazard Statements in Section 3	Ox. Sol. 1: H271 - May cause fire or explosion; strong oxidiser. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.