SAFETY DATA SHEET  
NOVATEC 15-3-20

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

1.1. Product identifier
Product name: NOVATEC 15-3-20
Product number: CTR004/25

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Fertiliser for use on managed amenity turf

1.3. Details of the supplier of the safety data sheet
Supplier: Headland Amenity Ltd
1 Burr Elm Court
Main Street
Caldecote
Cambridge
Cambridgeshire
CB23 7NU
Tel. +44 (0)1223 491090
sds.enquiries@headlandamenity.com

Contact person: Wendy Johnson

1.4. Emergency telephone number
Emergency telephone: +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Not Classified
Environmental hazards: Not Classified

2.2. Label elements
Hazard statements: NC Not Classified

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
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**AMMONIUM NITRATE**

| CAS number: 6484-52-2 | EC number: 229-347-8 | REACH registration number: 01-2119490981-27-XXXX |

**Classification**

Ox. Liq. 2 - H272
Eye Irrit. 2 - H319

**Classification (67/548/EEC or 1999/45/EC)**

Xi; R36. O; R8.

**DISODIUM TETRABORATE PENTAHYDRATE**

| CAS number: 12179-04-3 | EC number: 215-540-4 | REACH registration number: 01-2119490790-32-XXXX |

**Classification**

Eye Irrit. 2 - H319
Repr. 1B - H360FD

**Classification (67/548/EEC or 1999/45/EC)**

Xi; R36. Repr. Cat. 1 R60, R61

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

**Inhalation**

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.

**Skin contact**

Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**Inhalation**

May cause respiratory system irritation.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Prolonged skin contact may cause redness and irritation.

**Eye contact**

May cause temporary eye irritation.

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

**Notes for the doctor**

No specific recommendations. If in doubt, get medical attention promptly.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media**

Water. The product is not flammable. Use fire-extinguishing media suitable for the surrounding environment.

**Unsuitable extinguishing media**


5.2. Special hazards arising from the substance or mixture
Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Nitrous gases (NOx). Ammonia.

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Stop leak if safe to do so. Scoop/sweep/shovel spill into closing containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections
Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Open container with care to avoid generating dust. Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Keep away from direct sunlight. Keep away from heat. Protect from moisture.

Advice on general occupational hygiene
Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat sources, combustible materials. Keep away from acids, oxidising agents. Protect from moisture. Keep away from direct sunlight.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

AMMONIUM NITRATE (CAS: 6484-52-2)

**DNEL**
- Workers - Inhalation; local effects: 37.3 mg/m³
- Workers - Dermal; local effects: 21.3 mg/kg
- Consumer - Oral; local effects: 12.8 mg/kg
- Consumer - Inhalation; local effects: 11.1 mg/m³

**PNEC**
- Fresh water; 0.45 mg/l
- Marine water; 0.045 mg/l

8.2. Exposure controls
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**Protective equipment**

Provide adequate ventilation.

**Appropriate engineering controls**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

**Eye/face protection**

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Hand protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Other skin and body protection**

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

**Hygiene measures**

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**SECTION 9: Physical and Chemical Properties**

9.1. Information on basic physical and chemical properties

**Appearance** Granules.

**Colour** Various.

**Odour** Mild.

**Odour threshold** No information available.

**pH** pH (diluted solution): ~ 5 (10000 g/l @ 20°C)

**Melting point** No information available.

**Initial boiling point and range** No information available.

**Flash point** Mixture not classed as flammable

**Evaporation rate** No information available.

**Evaporation factor** No information available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits** Not applicable.

**Vapour pressure** No information available.

**Vapour density** No information available.

**Relative density** No information available.

**Bulk density** ~ 1.150 kg/m³

**Solubility(ies)** Soluble in water.

**Partition coefficient** No information available.
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**Auto-ignition temperature**  No information available.

**Decomposition Temperature**  > 130°C

**Viscosity**  No information available.

**Explosive properties**  Not considered to be explosive.

**Oxidising properties**  Does not meet the criteria for classification as oxidising.

**9.2. Other information**  No information required.

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity  There are no known reactivity hazards associated with this product. Stable under normal conditions.

10.2. Chemical stability

Stability  Stable at normal ambient temperatures. Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions  Evolution of ammonia under influence of alkalies.

10.4. Conditions to avoid

Conditions to avoid  Avoid frost. Heat and direct sunlight. Avoid moisture.

10.5. Incompatible materials


10.6. Hazardous decomposition products

Hazardous decomposition products  Thermal decomposition will produce nitrogen monoxide, nitrogen dioxide, dinitrogenoxide and ammonia.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological effects  No information available.

Skin corrosion/irritation


Serious eye damage/irritation

Serious eye damage/irritation  Rabbit: Result: Irritant, OECD Test Guideline 405.

Inhalation  May cause irritation.

Ingestion  May cause discomfort if swallowed.

Skin contact  May cause skin irritation.

Eye contact  May cause eye irritation.

**SECTION 12: Ecological Information**

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Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects

Disposal via sewage water treatment plants may cause impairment of the nitrification activity of the activated sludge. There is a high probability that the product is acute not harmful to aquatic organisms. Additional ecological information - the product has not been tested. The information is derived from the properties of the individual components. At higher pH values, which can be found in natural surface waters, an increase of toxic effects on aquatic organisms may be expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

This is first issue.

Revision date

03/09/2015

Revision

1

SDS number

20410

Hazard statements in full

H272 May intensify fire; oxidiser.
H319 Causes serious eye irritation.
H319 Causes serious eye irritation.
H360FD May damage fertility. May damage the unborn child.