

## Safety Data Sheet

## NovaMax Grow



Version: 3  
Version date: 26/12/2023  
Language: EN  
According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name/designation : NovaMax Grow.  
Article No (user) : EN131xx.  
UFI : 8NOW-614H-X00J-5WXR

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

Relevant identified uses : Optimum plant nutrition.  
Uses advised against : Toute utilisation non spécifiée dans cette section ou dans la section 7.3.

**1.3. Details of the supplier of the safety data sheet**

Supplier : **Name:** Terra Aquatica SAS  
**Street:** 4 blvd du Biopole  
**Postal code/City:** 32500 Fleurance  
**Country:** France :  
**Telephone:** 0.562060830  
**Website:** [www.terraaquatica.com](http://www.terraaquatica.com)  
**E-mail:** [Info@terraaquatica.com](mailto:Info@terraaquatica.com)

**1.4. Emergency Telephone Number****United Kingdom:**

+35625454030 +35 (0) 31 837 9964 (medical professionals) +35 (0) 31 809 2166 (public) In England and Wales: dial 111 ( NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195.

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

**Hazards identification:**

H272 Ox. Liq. 3 May intensify fire; oxidiser.  
H318 Eye Dam. 1 Causes serious eye damage

**2.2. Label elements**

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

**Labelling****Hazard pictograms****Signal word**

Danger

**Hazard Statements**

H272 May intensify fire; oxidiser.  
H318 Causes serious eye damage

**Precautionary Statements**

P102 Keep out of reach of children.

**Precautionary Statements - Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor/...

**Contains**

nitric acid, ammonium calcium salt

**2.3. Other hazards**

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

In accordance with the product knowledge, no nanomaterials have been identified.

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH:

Boric acid, CAS: 10043-35-3, EC: 233-139-2.

| Substance                          |                       | Concentration (%) | Specific concentration limits | Classification |                   |
|------------------------------------|-----------------------|-------------------|-------------------------------|----------------|-------------------|
| potassium nitrate                  |                       |                   |                               |                |                   |
| CAS N°                             | 7757-79-1             | 15.0% ≤C< 25.0%   |                               | H272           | Ox. Sol. 3        |
| EC N°                              | 231-818-8             |                   |                               |                |                   |
| IDX N°                             |                       |                   |                               |                |                   |
| Registration number                | 01-2119488224-35-XXXX |                   |                               |                |                   |
| nitric acid, ammonium calcium salt |                       |                   |                               |                |                   |
| CAS N°                             | 15245-12-2            | 13.0% ≤C< 18.0%   |                               | H302           | Acute Tox. 4 ORAL |
| EC N°                              | 239-289-5             |                   |                               |                |                   |
| IDX N°                             |                       |                   |                               |                |                   |
| Registration number                | 01-2119493947-16-XXXX |                   |                               |                |                   |
| ammonium nitrate                   |                       |                   |                               |                |                   |
| CAS N°                             | 6484-52-2             | 0.5% ≤C≤ 1.5%     |                               | H272           | Ox. Sol. 3        |
| EC N°                              | 229-347-8             |                   |                               |                |                   |
| IDX N°                             |                       |                   |                               |                |                   |
| Registration number                | 01-2119490981-27-XXXX |                   |                               |                |                   |

**Remark**

Text phrases and H- EUH-: see section 16.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Do not leave affected person unattended.

Remove victim out of the danger area.

Keep affected person warm, still and covered.

Remove the affected person from the danger zone and lay down.

**Following inhalation:**

Under normal conditions of use, inhalation is unlikely.

Remove person to fresh air and keep comfortable for breathing.

**Following skin contact:**

Remove contaminated, saturated clothing immediately.

In case of skin irritation, consult a physician.

After contact with skin, wash immediately with plenty of water and soap.

**Following eye contact:**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect unharmed eye.

**Following ingestion:**

Never give anything by mouth to an unconscious person or a person with cramps.

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

**Self-protection of the first aider:**

First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor:**

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media****Suitable extinguishing media:**

Foam.  
Extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

**Unsuitable extinguishing media:**

Strong water jet.

**5.2. Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Do not inhale vapors and fumes.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.  
Remove persons to safety.  
Provide adequate ventilation.  
Use appropriate respiratory protection.

**6.2. Environmental precautions**

Ensure that waste is collected and contained.  
Contain leaks or spills within cabinets with removable trays.

**6.3. Methods and material for containment and cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.  
Ventilate affected area.  
Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Wipe up with absorbent material (eg. cloth, fleece).

**6.4. Reference to other sections**

Safe handling: see section 7.  
Disposal: see section 13.  
Personal protection equipment: see section 8.

**Additional information**

Not available

## SECTION 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling****PROTECTIVE MEASURES:**

Avoid contact with skin, eyes and clothes.  
Provide adequate ventilation as well as local exhaust at critical locations.  
If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.  
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.  
Provide earthing of containers, equipment, pumps and ventilation facilities.  
Wear personal protective clothing (see section 8).  
Sewers and ducts must be protected against the entry of the product.  
Vapours/aerosols should be exhausted directly at the point of origin.

Avoid breathing gas/fumes/vapour/spray.

#### Advices on general occupational hygiene:

Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately.

Work in well ventilated zones or use proper respiratory protection.

#### In the immediate working surroundings there must be:

Provide eye shower and label its location conspicuously.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep only in original container.

Close containers after each use.

Keep upright to prevent leakage.

Store between 5 and 35°C.

#### Requirements for storage rooms and vessels:

Ensure adequate ventilation of the storage area.

#### Advice on joint storage:

Keep away from food, drink and animal feedingstuffs.

Keep away from clothing and other combustible materials.

Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

#### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits:

| Substance | Value | Unit | Type |
|-----------|-------|------|------|
|-----------|-------|------|------|

No data available

#### Biological limit values:

Not available

#### Exposure limits at intended use:

Not available

#### Remark:

Not available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation as well as local exhaust at critical locations.

#### Individual protection measures, such as personal protective equipment:



#### Eye/face protection

: Recommended to avoid the risk of splashing.

##### Suitable eye protection:

Wear eye protection equipment.

##### Recommended eye protection articles:

Eye glasses with side protection.

#### Skin protection

: **Hand protection:**

Recommended to avoid the risk of staining.

##### Suitable gloves type:

Wear protective gloves.

##### Suitable material:

Butyl caoutchouc (butyl rubber).

##### Additional hand protection measures:

Do not wear gloves near machines and rotating tools.

Use gloves only once.

##### Remark:

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into

**Respiratory protection**

consideration.

**Body protection:****Suitable protective clothing:**

Lab coat.

: **Respiratory protection necessary at:**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Suitable respiratory protection apparatus:**

Wear respiratory protection.

**Remark:**

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits as specified by the manufacturer. Use only respiratory protection equipment with CE-symbol including four digit test number.

**Environmental exposure controls:**

Not available

**Consumer exposure controls:**

Not available

**Additional information**

Not available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

|                                                   |                  |
|---------------------------------------------------|------------------|
| Physical state                                    | : Liquid         |
| Colour                                            | : Brown          |
| Odour                                             | : Vanille        |
| pH                                                | : 4.5-5          |
| Melting point/freezing point                      | : Not available  |
| Initial boiling point and boiling range           | : Not available  |
| Flash point                                       | : Not available  |
| Flammability                                      | : Not Flammable  |
| Upper/lower flammability or explosive limits      | : Not available  |
| Vapour pressure                                   | : Not available  |
| Vapour density                                    | : Not available  |
| Relative density                                  | : 1.39           |
| Solubility(ies)                                   | : 100%           |
| Partition coefficient n-octanol/water (log value) | : Not applicable |
| Auto-ignition temperature                         | : Not available  |
| Decomposition temperature                         | : Not available  |
| Kinematic viscosity                               | : Not applicable |
| Solubility in other Solvents                      | : Not available  |
| Particle characteristics                          | : Not applicable |

**9.2. Other safety information****Information concerning to the classes of physical hazards**

Not available

**Other security characteristics**

Not available

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No particular risk of reaction with other materials under normal conditions of use.

**10.2. Chemical stability**

The product is stable when stored at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

No data available.

Keep between 5 and 35°. Avoid direct sunlight.

**10.5. Incompatible materials**

Acids. Alkalis. Reducing agents. Combustibles. Bases.

## 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

### Additional information

Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute oral toxicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Acute dermal toxicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Acute inhalation toxicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Skin corrosion/irritation:**

Causes severe eye damage.

#### **Substances:**

Not available

#### **Serious eye damage/irritation:**

The product is classified Eye Dam. 1 according to the referenced regulation.

Causes serious eye damage.

#### **Substances:**

Not available

#### **Skin sensitisation:**

The product is not classified.

#### **Substances:**

Not available

#### **Specific target organ toxicity (repeated exposure):**

The product is not classified.

#### **Substances:**

Not available

#### **Specific target organ toxicity (single exposure):**

The product is not classified.

#### **Substances:**

Not available

#### **Carcinogenicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Reproductive toxicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Germ cell mutagenicity:**

The product is not classified.

#### **Substances:**

Not available

#### **Sensitisation to the respiratory tract:**

The product is not classified.

#### **Substances:**

Not available

#### **Additional information:**

Not available

### 11.2. Information on other hazards

#### **Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

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

**Substances:**

Not available

**12.2. Persistence and degradability**

Easily biodegradable by plants and soil.

**Substances:**

Not available

**12.3. Bioaccumulative potential**

The product does not bioaccumulate. The product is not expected to have any effect on the environment if used correctly.

The product has not been tested.

**Substances:**

Not available

**12.4. Mobility in soil**

This product can be carried by groundwater seepage or surface runoff, as it is completely soluble.

**Substances:**

Not available

**12.5. Results of PBT and vPvB assessment**

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

**12.6. Endocrine disrupting properties**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**12.7. Other adverse effects**

Not available

**Additional ecotoxicological information**

Not available

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Product/Packaging disposal:****Waste codes/waste designations according to EWC/AVV:**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste treatment options:****Appropriate disposal/Product:**

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

**Appropriate disposal/Package:**

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

Dispose of waste according to applicable legislation.

**Remark:**

Consult the appropriate authorities about waste disposal.

Do not mix with other wastes.

**Additional information**

Not available

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

The product is not hazardous according to the applicable transport regulations.

**14.2. UN proper shipping name**

Not regulated.

**14.3. Transport hazard class(es)**

Not regulated.

**14.4. Packing group**

Not available

**14.5. Environmental hazards**

Not regulated.

**14.6. Special precautions for user**

Not available

**14.7. Bulk shipping according to IMO instruments**

Not available

**Additional information**

Not available

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

**EU legislation:****Other regulations (EU):****Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]:**

"Category 1, 2 or 3 oxidizing liquids. The total quantity likely to be present in the installation being: 1. greater than or equal to 50 t.....A 2. Greater than or equal to 2 t but less than 50 t.....D Low threshold quantity as defined in article R. 511-10: 50 t High threshold quantity as defined in article R. 511-10: 200 t".

**EU legislation:****CLP: Harmonised classification and labelling of hazardous substances (Annex VI, table 3.1)\_ATP 17:**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**REACH: Annex XVII (Restrictions):**

| Substance                          | CAS        | EC        |
|------------------------------------|------------|-----------|
| nitric acid, ammonium calcium salt | 15245-12-2 | 239-289-5 |
| ammonium nitrate                   | 6484-52-2  | 229-347-8 |
| Boric acid                         | 10043-35-3 | 233-139-2 |

**REACH: Candidate List of SVHC:**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**National regulations:****Cosmetic Ingredient Hotlist:**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**Occupational Exposure Limit Values (long term) - Canada (Ontario):**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**Occupational Exposure Limit Values (long term) - Ireland:**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**Occupational Exposure Limit Values (short term) - Canada (Ontario):**

| Substance  | CAS        | EC        |
|------------|------------|-----------|
| Boric acid | 10043-35-3 | 233-139-2 |

**U.S. - NY - RTK:**

| Substance        | CAS       | EC        |
|------------------|-----------|-----------|
| ammonium nitrate | 6484-52-2 | 229-347-8 |

**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**Additional information**

Not available

**SECTION 16: OTHER INFORMATION****Indication of changes**

Update In accordance with regulation (EU) 2020/878; 3.2; section 11 and 12, via Ecomundo software.

**Abbreviations and acronyms**

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.



ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

#### Key literature references and sources for data

No data available.

#### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

Complies with ATP 18, Regulation (EU) n°2022/692.

#### Relevant R-, H- and EUH-phrases (Number and full text)

|      |                   |                               |
|------|-------------------|-------------------------------|
| H272 | Ox. Liq. 3        | May intensify fire; oxidiser. |
| H302 | Acute Tox. 4 ORAL | Harmful if swallowed          |
| H318 | Eye Dam. 1        | Causes serious eye damage     |
| H319 | Eye Irrit. 2      | Causes serious eye irritation |

#### Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

#### Additional information

This information describes the safety aspects of the product. It is not intended to guarantee specific properties.

The recipient must ensure that he/she is not liable for anything other than the texts mentioned. Users are responsible for complying with all applicable regulations.

The information contained herein is based on our knowledge of the product at the date indicated. It is given in good faith. The user's attention is drawn to the possible risks involved when a product is used for purposes other than those for which it was created.

Creation date: 25/08/2020

Version date: 26/12/2023

Printing date: 11/01/2024

The information given in this Safety Data Sheet is based on our present knowledge and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.