

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 09.04.2015

Version: 1. 0

Revision: 09.04.2015

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

- **1.1 Product identifier**
- **Trade name:** **ENTEC 26 plus Boron**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.
- **Application of the substance / the preparation:** Fertiliser
- **Uses advised against -**
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**  
Eurochem Agro Hellas SA  
Mesogion Str. 249  
154 51 Neo Psychiko  
Tel.: +30 211 17 69 170  
Fax. : +30 211 17 69 152  
E-mail: info@eurochemagro.gr
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**  
Notruf: National Poisoning Center: +30 210 7793777  
Τηλ. Κέντρου Δηλητηριάσεων: +30 210 7793777

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**

CAS: 6484-52-2	ammonium nitrate	10-45%
EINECS: 229-347-8	Xi R36; O R8	
Reg.nr.: 01-2119490981-27-xxxx	Ox. Sol. 3, H272; Eye Irrit. 2, H319	
CAS: 10043-35-3	boric acid	< 2.5%
EINECS: 233-139-2	T Repr. Cat. 2 R60-61	
Index number: 005-007-00-2	Repr. 1B, H360FD	

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**· SVHC**10043-35-3 boric acid

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**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**  
Supply fresh air; consult a doctor in case of pain.  
In case of unconsciousness, place patients on their side in a stable position for transportation.
- **After skin contact:** Wash with water and soap and rinse with plenty of water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Information for doctor:**  
After inhalation of decomposition products (nitrous gases) oedema of the lungs may occur. Symptoms may be delayed.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
Symptomatic treatment  
In cases of irritation to the lungs, initial treatment with Dexametason metered aerosol

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Water
- **For safety reasons unsuitable extinguishing agents:**  
Foam  
Extinguishing powder  
Carbon dioxide  
Sand
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur dioxide (SO<sub>2</sub>)  
Ammonia
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Do not smoke - keep ignition sources away  
Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.

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- **6.3 Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Avoid any dust formation. Pick up with a tested and approved industrial vacuum cleaner if necessary.
  - **6.4 Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- 

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Keep away from heat and direct sunlight.  
Protect from humidity.  
Do not smoke. Keep ignition sources away.
- **Information about protection against explosions and fires:**  
The product is not flammable.  
Substance/product can reduce the ignition temperature of flammable substances.



Keep ignition sources away - Do not smoke.

- Protect from heat.  
Keep away from combustible substances.
  - **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:**  
Store container tightly sealed at a cool and dry place with sufficient ventilation.
  - **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from feed.  
Refer to national regulations for storing hazardous chemicals.  
Store away from acids.  
In case of bulk storage, do not mix with other fertilizers.
  - **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Protect from humidity and water.  
(Product is hygroscopic, clumping together or decomposition possible).  
Protect from contamination.  
Keep away from combustible materials.
  - **7.3 Specific end use(s)** No further relevant information available
- 

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.

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- **8.2 Exposure controls**
  - **Personal protective equipment:**
  - **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Remove all soiled and contaminated clothing immediately.  
 Do not inhale dust/smoke/mist.  
 Before breaks and at the end of work, thoroughly wash hands with water and soap, then rub-in skin protecting cream.  
 Use skin protection cream for skin protection.  
 Avoid contact with eyes and skin.
  - **Breathing equipment:**  
 Not necessary if room is well-ventilated  
 At formation of dust:  
 Short term filter device:  
 Filter P1
  - **Protection of hands:** Chemical resistant gloves (EN 374)
  - **Material of gloves:**  
 For undissolved solid substances following materials may be suitable:  
 nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)
  - **Penetration time of glove material:**  
 The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **Eye protection:** Tightly sealed goggles
  - **Body protection:** Protective work clothing
- 

### SECTION 9: Physical and chemical properties

- |  |   |
|--|---|
| · <b>9.1 Information on basic physical and chemical properties</b> |   |
| · <b>General Information:</b>                                      |   |
| · <b>Appearance:</b>   |   |
| Form:  | Granulate                                     |
| Colour:  | Green   |
| Odour:   | Odourless                                     |
| Odour threshold:   | Not applicable                                |
| · <b>pH-value (100 g/l) at 20 °C:</b>                              | 7 (DIN 19268)                                 |
| · <b>Change in condition:</b>                                      |   |
| Melting point/Melting range:                                       | >170 °C                                       |
| Boiling point/Boiling range:                                       | Not determined                                |
| · <b>Flash point:</b>  | Not applicable                                |
| · <b>Ignition temperature:</b>                                     | Not applicable                                |
| · <b>Decomposition temperature:</b>                                | > 170 °C                                      |
| · <b>Self ignition temperature:</b>                                | Product is not self-igniting.                 |
| · <b>Danger of explosion:</b>                                      | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>   |   |
| Lower:   | Not applicable                                |
| Upper:   | Not applicable                                |
| · <b>Density:</b>  | Not determined                                |
| · <b>Bulk density at 20 °C:</b>                                    | ~1010 kg/m <sup>3</sup>                       |

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- **Solubility in / Miscibility with**
  - Water:** Largely soluble
- **9.2 Other information** No further relevant information available

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Conditions to be avoided: see chapter 7.
- **10.5 Incompatible materials:**  
Sulphur  
Acidic reacting substances  
Alkaline reacting substances  
Flammable, oxidisable substances

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** LD50/oral (rat): > 2000 mg/kg
- **Primary irritant effect:**
- **on the skin:** No irritating effect
- **on the eye:** No irritating effect
- **Sensitisation:** No sensitising effects known
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**  
Presently available data show no carcinogenic, mutagenic or teratogenic effects.
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No classification

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** There are no quantitative data available for the product itself.
- **12.2 Persistence and degradability** Not applicable for inorganic substances.
- **12.3 Bioaccumulative potential** Bioaccumulation is not to be expected.
- **12.4 Mobility in soil** No further relevant information available
- **Ecotoxicological effects:**
- **Remark:** Most probably not acutely toxic for aquatic organisms
- **Remark:** Disposal via sewage water treatment plants may cause impairment of the nitrification activity of the activated sludge.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

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According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Danger to drinking water is possible if large quantities leak into the ground or into water course.

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

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **12.6 Other adverse effects** No further relevant information available

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

Product is used as a fertilizer. Check the possibility for agricultural use before landfilling.

Contact manufacturer for recycling information.

- **European waste catalogue:**

02 00 00 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING

02 01 00 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing

02 01 09 agrochemical waste other than those mentioned in 02 01 08

- **Uncleaned packagings:**

- **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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### SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

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

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **14.4 Packing group**

- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

Not applicable

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

- **UN "Model Regulation":**

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

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

R36 Irritating to eyes.  
R60 May impair fertility.  
R61 May cause harm to the unborn child.  
R8 Contact with combustible material may cause fire.

- **Department issuing MSDS:**

KFT Chemieservice GmbH  
Im Leuschnerpark. 3 64347 Griesheim  
Postfach 1451 64345 Griesheim  
Germany

Phone: +49 6155 86829-0 Fax: +49 6155 86829-25

Safety Data Sheet Service: +49 6155 86829-22

- **Contact:** Barbara Stark

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Ox. Sol. 3: Oxidising Solids, Hazard Category 3

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 1B: Reproductive toxicity, Hazard Category 1B

- **Sources:** MSDS of the supplier