

# ENTEC® 26

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 12/29/2016 Revision date: 12/29/2016 Supersedes: 9/8/2016 Version: 3.01

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

#### 1.1. Product identifier

Trade name : ENTEC® 26

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Fertilizer

##### 1.2.2. Uses advised against

Restrictions on use : None

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

##### Supplier

EuroChem Agro GmbH  
 Reichskanzler-Müller-Str. 23  
 68165 Mannheim - Germany  
 T +49 621 87209-0 - F +49 621 87209-101  
[info.europe@eurochemgroup.com](mailto:info.europe@eurochemgroup.com)

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : National Response Center (international)  
 TUIS-Emergency number: +49 1802 273112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Fertilizer

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ammonium nitrate	(CAS No) 6484-52-2 (EC No) 229-347-8 (REACH-no) 01-2119490981-27-xxxx	>=10-<=45	Ox. Sol. 3, H272 Eye Irrit. 2, H319

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calcium nitrate	(CAS No) 10124-37-5 (EC No) 233-332-1 (REACH-no) 01-2119495093-35-xxxx	<2	Ox. Liq. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
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### Specific concentration limits:

Name	Product identifier	Specific concentration limits
ammonium nitrate	(CAS No) 6484-52-2 (EC No) 229-347-8 (REACH-no) 01-2119490981-27-xxxx	(C >= 80) Eye Irrit. 2, H319

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray.
Unsuitable extinguishing media	: Carbon dioxide. extinguishing powder. Foam.

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

Hazardous decomposition products in case of fire	: Ammonia. Hydrogen chloride. Carbon dioxide. Carbon monoxide. Sulphur oxides. Nitrogen oxides. Toxic fumes may be released.
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### 5.3. Advice for firefighters

Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Dispose of in accordance with relevant local regulations.

## SECTION 6: Accidental release measures

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

General measures	: Ensure adequate air ventilation. Avoid dust formation.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust.
Measures in case of dust release	: Avoid dust formation. Provide adequate ventilation to minimize dust concentrations. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material.

#### 6.1.2. For emergency responders

Protective equipment	: Concerning personal protective equipment to use, see section 8. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up	: Mechanically recover the product.
Other information	: Disposal must be done according to official regulations.

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe dust. Avoid dust formation. Keep away from any flames or sparking source.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Local exhaust is recommended where dust may occur.

Storage conditions : Store in dry, cool, well-ventilated area.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs. Organic materials.

Storage area : Protect from moisture. Store away from heat.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>ammonium nitrate (6484-52-2)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	5.12 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	36 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	2.56 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8.9 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2.56 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.45 mg/l
PNEC aqua (marine water)	0.045 mg/l
PNEC aqua (intermittent, freshwater)	4.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	18 mg/l
<b>calcium nitrate (10124-37-5)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	13.9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	98 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	8.33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	29 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	8.33 mg/kg bodyweight/day

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid all unnecessary exposure.

##### Hand protection:

Chemically resistant protective gloves. EN 374

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Accidental release measures. If dust are formed : P1

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### Other information:

Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Apply emollient cream. Avoid contact with skin and eyes.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granulate.
Colour	: Green.
Odour	: odourless.
Odour threshold	: Not applicable
pH	: ≈ 3.5
pH solution	: 100 g/l (20°)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: > 170 °C
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 170 °C To avoid thermal decomposition, do not overheat
Flammability (solid, gas)	: No data available Non flammable.
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	:

### 9.2. Other information

Bulk density : ≈ 960 kg/m<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

alkalis. Combustible materials. Oxidizing agent. Acids. Sulfur. Chlorates. Chlorite solution. Nitrites. metals.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

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ATE CLP (oral)	5000
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: ≈ 3.5
Serious eye damage/irritation	: Not irritating (Based on available data, the classification criteria are not met) pH: ≈ 3.5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

#### ammonium nitrate (6484-52-2)

EC50 Daphnia 1	> 490 mg/l (48h; EC50 (Daphnia Magna))
EC50 other aquatic organisms 1	447 mg/l (48h; Cyprinus carpio (Common carp))
EC50 72h algae (1)	1700 mg/l (10 d; algae)

#### 12.2. Persistence and degradability

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Persistence and degradability : Not applicable for inorganic substances.

#### 12.3. Bioaccumulative potential

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Bioaccumulative potential : Bioaccumulation unlikely.

#### 12.4. Mobility in soil

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Ecology - soil : No additional information available.

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

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Product is used as a fertilizer. Check the possibility for agricultural use before landfilling. Do not dispose of with domestic waste.

Waste treatment methods : Disposal must be done according to official regulations.

European List of Waste (LoW) code : 02 01 09 - agrochemical waste other than those mentioned in 02 01 08

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

58. Ammonium nitrate (AN)	ammonium nitrate
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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Seveso Information : 1. Ammonium nitrate

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

General revision.

Section	Changed item	Change	Comments

Abbreviations and acronyms:

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
	RID
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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Data sources : ASSESSMENT OF THE CLASSIFICATION AS EYE IRRITANT  
OF AMMONIUM NITRATE BASED FERTILIZERS ALSO CONTAINING AMMONIUM  
CHLORIDE  
Report prepared by Fertilizers Europe/November 2012.

Department issuing data specification sheet: : KFT Chemieservice GmbH  
Im Leuschnerpark. 3 64347 Griesheim  
Postfach 1451 64345 Griesheim  
Germany

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500  
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Barbara Stark

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Liq. 3	Oxidising Liquids, Category 3
Ox. Sol. 3	Oxidising Solids, Category 3
H272	May intensify fire; oxidiser
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
EUH210	Safety data sheet available on request

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*