



# Sangral 20-20-20 + TE

## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

Date of issue: 6/20/2017

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Supersedes: 6/28/2013

Version: 3.0

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

#### 1.1. Product identifier

Product form : Mixtures  
Trade name : Sangral 20-20-20 + TE  
Product code : BE01-001680\_095b\_EC  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Agriculture, Formulation [mixing] of preparations and/or re-packaging (excluding alloys), Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  
Industrial/Professional use spec : Fertilizers  
Formulation of preparations  
For professional use only  
Use of the substance/mixture : Fertilizers  
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  
Function or use category : Fertilisers

##### 1.2.2. Uses advised against

Restrictions on use : None known

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

##### Supplier

SQM Europe N.V.  
Houtdok-Noordkaai 25a  
2030 Antwerpen - Belgium  
T +32 (3) 2039700 - F +32 (3) 2312782  
[product\\_safety@sgm.com](mailto:product_safety@sgm.com) - [www.sgm.com](http://www.sgm.com)

#### 1.4. Emergency telephone number

Emergency number : +1 703 741 5970 For Chemical Emergency call CHEMTREC (24hr/day; 7days/week);  
Netherlands: National Poisons Information Centre (+31) 088 756 666 / Belgium: Centre Anti-Poisons/Antigifocentrum (+32) 070 245 245 / Hungary: Health Toxicological Information Service (HTIS) +(36) 80 20 11 99 / Italy: Centro Antiveleeni di Milano (+39) 02 6610 1029 / Bulgaria: Национален токсикологичен информационен център (+35) 9 2 9154 233

### 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

Other hazards not contributing to the classification : The product does not meet the PBT and vPvB classification criteria.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

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	< 35	Ox. Sol. 3, H272 Eye Irrit. 2, H319

#### 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	( 70 =<C < 100) Ox. Sol. 3, H272 ( 80 =<C < 100) Eye Irrit. 2, H319

Comments : Hazard classification of this material is based on the worst possible case

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a poison center or a doctor if you feel unwell. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- 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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : May cause eye irritation.

### 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. Dry powder. Foam. use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water.
- Unsuitable extinguishing media : None known. Use extinguishing media appropriate for surrounding fire.

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

- Fire hazard : Not classified as flammable according to EC criteria, but may present a risk in the event of a fire.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

- General measures : No open flames. No smoking. Ventilate area.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Do not allow into drains or water courses. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Mechanically recover the product. Do not absorb with saw-dust or any other combustible absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Reducing agents, Flammable or combustible materials. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible materials : Flammable or combustible materials, reducing materials, Strong acids.

Information on mixed storage : Do not store with: combustible materials.

### 7.3. Specific end use(s)

Fertilizers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Sangral 20-20-20 + TE</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	27456 mg/kg bodyweight/day

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves. Nitrile rubber gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Environmental exposure controls:

Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Crystalline powder.
Colour	: red.
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available

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Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive
Oxidising properties	: Non oxydizing according to O.1 Test (UN Manual of Test and Criteria).
Explosive limits	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 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

No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Combustible under specific conditions. Flammable materials. Reducing agents. Strong acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Nitrogen oxides. Nitrites. Phosphorus oxides. Potassium oxides. Sulphur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Ammonium nitrate (6484-52-2)	
LD50 oral rat	2950 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 88.8 mg/l

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Ammonium nitrate (6484-52-2)	
LOAEL (oral, rat, 90 days)	1500 mg/kg bodyweight/day

Aspiration hazard : Not classified

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### 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)	
LC50 fish 1	447 mg/l Cyprinus carpio (Common carp)
EC50 Daphnia 1	490 mg/l Daphnia magna
ErC50 (algae)	1700 mg/l Benthic diatoms

#### 12.2. Not persistent

Sangral 20-20-20 + TE	
Not persistent	Contains no substances known to be hazardous to the environment.

#### 12.3. Bioaccumulative potential

Sangral 20-20-20 + TE	
Bioaccumulative potential	Low bioaccumulation potential.

Ammonium nitrate (6484-52-2)	
BCF fish 1	Bioaccumulation unlikely
Log Pow	-3.1
Bioaccumulative potential	Low bioaccumulation potential.

#### 12.4. Mobility in soil

Sangral 20-20-20 + TE	
Ecology - soil	Expected to be highly mobile in soil.

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

No additional information available

#### 12.6. Other adverse effects

Other adverse effects : May cause eutrophication at very low concentration.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Do not flush into surface water or sewer system.

### 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
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
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

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### - 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

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 substance

#### 15.1.2. National regulations

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1.1	In general	Modified	
1.2	In general	Modified	
1.4	In general	Modified	
3	Composition/information on ingredients	Modified	
4	In general	Modified	
5	In general	Modified	
8	In general	Modified	
9	In general	Modified	
11	In general	Modified	
12.	In general	Modified	
15	In general	Modified	

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3
H272	May intensify fire; oxidiser
H319	Causes serious eye irritation
EUH210	Safety data sheet available on request

SDS EU (REACH Annex II)

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