



# Sangral Foliar 20-20-20 + TE

## Safety Data Sheet

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

Date of issue: 2/21/2018

Revision date: 2/21/2018

Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Sangral Foliar 20-20-20 + TE  
Product code : ES01-002247\_095f\_EUR  
Type of product : Fertilizers  
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 : Fertilizers, Agriculture, forestry, fishery, Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  
Industrial/Professional use spec : Fertilizers  
Formulation of preparations  
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 Iberian S.A.  
C / Provença, 251 Principal 1°  
08008 Barcelona - España  
T +34 934 877 806 - F + 34 902 412 459  
[product\\_safety@sgm.com](mailto:product_safety@sgm.com) - [www.sgm.com](http://www.sgm.com)

#### 1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week: +1 703-741-5970  
(collect calls accepted)

### 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

#### 3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Urea phosphate	(CAS-No.) 4861-19-2 (EC-No.) 225-464-3 (REACH-no) 01-2119489460-34	1 - 10	Skin Corr. 1B, H314

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Urea phosphate	(CAS-No.) 4861-19-2 (EC-No.) 225-464-3 (REACH-no) 01-2119489460-34	( 10 =<C < 25) Skin Irrit. 2, H315 ( 10 =<C < 25) Eye Irrit. 2, H319 ( 25 =<C < 100) Skin Corr. 1B, H314

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. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth out with water. 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.
- Symptoms/effects after ingestion : On ingestion in large quantities: Irritation of the gastric/intestinal mucosa.

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

Treat symptomatically. In the event of inhalation of decomposition products : Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : 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.

### 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. Thermal decomposition generates : Nitrogen oxides. Nitrites. Phosphorus oxides. Potassium oxides.

### 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. Do not allow to enter into surface water or drains.

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

- Methods for cleaning up : Do not absorb in saw-dust or other combustible absorbents. Mechanically recover the product. Notify authorities if product enters sewers or public waters.
- 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.

### 7.3. Specific end use(s)

Fertilizers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Sangral Foliar 20-20-20 + TE	
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. Effective contaminant extraction. Training staff on good practice. Management/supervision in place to check that RMMS on place are being used correctly and OCs followed.

#### Hand protection:

Protective 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 : Not applicable
- 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
Vapour pressure at 50 °C	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: Not applicable
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable.
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
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

Avoid contact with flames or 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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Urea phosphate (4861-19-2)

LD50 oral rat	2600 mg/kg bodyweight (OECD 423 method)
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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

#### Urea phosphate (4861-19-2)

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day (OECD 422 method)
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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.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Urea phosphate (4861-19-2)	
LC50 fish 1	> 9100 mg/l (Published data)
EC50 Daphnia 1	> 100 mg/l EU C.2 / (OECD 202 method)
EC50 72h algae (1)	> 100 mg/l EU C.3 / (OECD 201 method)

#### 12.2. Not persistent

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

  

Urea phosphate (4861-19-2)	
Not persistent	Not persistent.

#### 12.3. Bioaccumulative potential

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

  

Urea phosphate (4861-19-2)	
Log Pow	-1.73 at 20 °C
Bioaccumulative potential	Low bioaccumulation potential.

#### 12.4. Mobility in soil

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

  

Urea phosphate (4861-19-2)	
Ecology - soil	Product adsorbs little onto the soil.

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

Component	
Urea phosphate (4861-19-2)	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

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.
Additional information	: Do not allow into drains or water courses. Do not allow material to contaminate surface water 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
<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				

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### 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

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

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit:

Boric acid (EC 233-139-2, CAS 10043-35-3)

Contains no REACH Annex XIV substances

#### 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

Full text of H- and EUH-statements:

Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H314	Causes severe skin burns and eye damage.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

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