



Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)
Product Reference code: ES01-00817_390e_EUR
Issue date: 3/3/2021 Revision date: 3/3/2021 Version: 1.0

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

1.1. Product identifier

Product form	: Substance (UVCB)
Trade name	: Sangral® micro Fe EDDHA 3,2
EC-No.	: 283-044-5
CAS-No.	: 84539-55-9
REACH registration No	: 01-2119487279-21
Product code	: ES01-00817_390e_EUR

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	: Chelating agent Fertilizers Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
------------------------------	---

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SQM Iberian S.A.
C / Provença, 251 Principal 1°
08008 Barcelona - España
T +34 934 877 806 - F + 34 902 412 459
product_safety@sqm.com - www.sqm.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]

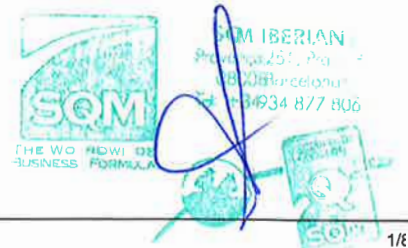
No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : Risk of dust explosion.

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



Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%
Fe EDDHA_SDS(Q32)_Iberian	(CAS-No.) 84539-55-9 (EC-No.) 283-044-5 (REACH-no) 01-2119487279-21	100

3.2. Mixtures

Not applicable

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. 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. Take off contaminated clothing and wash it before reuse.

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. Drink plenty of 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 : If the quantity swallowed is significant : Irritation of the gastric/intestinal mucosa.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Risk of : Ignition. May form an explosive mixture in the presence of air. Avoid raising powdered material due to explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Nitrogen oxides. Carbon oxides (CO, CO₂).

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.



Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Wear personal protective equipment. Avoid dust formation. Evacuate unnecessary personnel.

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

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Avoid dust formation. Then wash with plenty of water. Collect all waste in suitable and labelled containers and dispose according to local legislation.

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

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. 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. Use non-sparking tools.

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 : Store in a dry place. Store at ambient temperature. Keep in original containers. Keep container tightly closed.

7.3. Specific end use(s)

Fertilizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

EU - Indicative Occupational Exposure Limit (IOEL)

IOEL TWA	4 mg/m ³
----------	---------------------

8.1.2. Recommended monitoring procedures

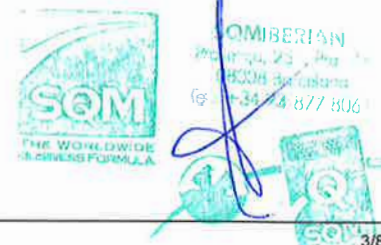
No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available



Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering 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. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Handle in accordance with good industrial hygiene and safety practice.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile-rubber protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Particle filter	Type P2		EN 143

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not allow to enter drains or water courses.

Other information:

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	⋮ Solid
Appearance	⋮ Granular powder.
Colour	⋮ Red. brown.
Odour	⋮ odourless.
Odour threshold	⋮ Not applicable
pH	⋮ 7 – 9 Aqueous solution: 1%



SQM IBERIAN
Provençs, 251, Prat de Sallés
08013 Barcelona
Tel: +34 934 877 806

Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Decomposes before melting
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No available data
Decomposition temperature	: No available data
Flammability (solid, gas)	: Not applicable Not flammable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Solubility	: Water: ≈ 50 g/l
Partition coefficient n-octanol/water (Log Pow)	: < 0
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Lower explosive limit (LEL)	: ≥ 40 g/m³
Upper explosive limit (UEL)	: Not applicable

9.2. Other information

Bulk density : 500 – 700 kg/m³

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

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Dust may form explosive mixture in air.

10.4. Conditions to avoid

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

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

In case of fire: Toxic fumes are released. Nitrogen oxides. Carbon oxides (CO, CO₂).

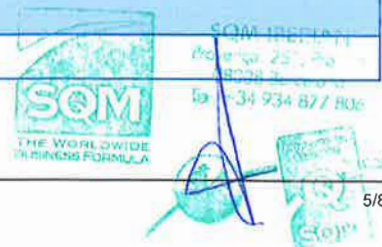
SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

LD50 oral rat	> 2000 mg/kg
Skin corrosion/irritation	: Not classified pH: 7 – 9 Aqueous solution: 1%



Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Serious eye damage/irritation	: Not classified pH: 7 – 9 Aqueous solution: 1%
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
Aspiration hazard	: Not classified

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

Viscosity, kinematic	Not applicable
----------------------	----------------

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.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

LC50 - Fish [1]	> 100 mg/l Danio rerio
-----------------	------------------------

12.2. Persistence and degradability

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

Persistence and degradability	Not readily biodegradable.
-------------------------------	----------------------------

12.3. Bioaccumulative potential

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

Partition coefficient n-octanol/water (Log Pow)	< 0
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

Ecology - soil	Expected to be highly mobile in soil.
----------------	---------------------------------------

12.5. Results of PBT and vPvB assessment

Fe EDDHA_SDS(Q32)_Iberian (84539-55-9)

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

Additional information	: No other effects known
------------------------	--------------------------

Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

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.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

No REACH Annex XVII restrictions

Sangral® micro Fe EDDHA 3,2 is not on the REACH Candidate List

Sangral® micro Fe EDDHA 3,2 is not on the REACH Annex XIV List

Sangral® micro Fe EDDHA 3,2 is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Sangral® micro Fe EDDHA 3,2 is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Sangral® micro Fe EDDHA 3,2

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Directive 2012/18/EU (SEVESO III)

Seveso Additional information : Not applicable

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : Supplier information.

Safety Data Sheet (SDS), EU

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable

