

SAFETY DATA SHEET VP FILTER

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POISONS INFORMATION CENTRE PHONE: 13 11 26.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

1.1 Product identifier

FERTILIZER CE. Micronutrients liquid mix.Iron (Fe) and Zinc (Zn)

1.2 Relevant identified uses of the substance or mixture uses advised against

Agriculture: Fertilizer

1.3 Supplier information and record card of security data.

Supplier: **ZOBERBAC S.L.**
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SECTION 2: HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture.

Classification according to EU Directives 67/548/CE, or 1999/45//CE and acordance with UE 1272/2008 (CLP) on classification, labelling and packaging of substances and mixtures , as amended (CLP)

Classification: Not dangerous for supply or use. See, however, components of the mixture

Effect over environment: Not dangerous

2.2 Label Elements.

LABELLED:

Regulation 1272/2008 UE:

H302: Harmful is swallowed.

Pictogram:



Warning word:

Attention

Precautionary Statements:

P102: Keep out of reach of children.

P103: Read label before use.

P270: Do not eat, drink or smoke when using this product.

P103: Read label before use.

P234+P235: Keep only in original container and keep cool.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P301+P330+P312: If swallowed: call a Poison Center or doctor if you feel unwell. Rinse mouth.

P302+P352: If on skin: wash with plenty of soap and water.

P305+P351+P338: If in eyes: rise cautiously with water for several minutes. Remove contacts lenses, if presents and easy to do. Continue rising.

Disposal considerations:

P273+P391: Avoid release to the environment. Collect spillage.

P501: Remove the substance and its container at a collection point for hazardous or special waste, in accordance with local, regional, national or international regulation.

2.3 Identification of other dangers:

Regulation 1272/2008 (CLP):

Not relevants

SECTION 3: COMPOSITION/INFORMATION ABOUT COMPONENTS

3.1 Identification of the substance: Fertilizer CE E2.1, liquid mixture of micronutrients, iron (Fe) and Zinc (Zn)

3.2 Mixture: Mixture of substantes

Classification with Legislation 67/548/ce, according Reglament 1999/45/ce and Reg. UE 1272/2008 (CLP):

Not dangerous for supply or use. See, however, components of the mixture.

Components:

Chemical name	Nº CAS Nº CE Nº REGISTER	Clasif. Regulation 1272/2008
Sulphate of Zinc	7446-19-7	H302: Hamful is swallowed. H318: Causes serious eye damage. H410: Toxic to aquatic life with long lasting effects.
Sulphate of Iron	7782-63-0	H302: Hamful is swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation.

For adicional information check section 8,11,12,16

SECTION 4: FIRST AIDS

4.1 Description of the first aids, measures.

General Advice: Have with you the container, level and security card in case you have to call the Toxicology Institute. Do not exist noticeable danger effects in the normal usage of the substance; however some instructions need to be bearded in mind.

Skin contact: Remove immediately the spilled or spotted clothe. Wash the skin with plenty of water and soap. If irritation is produced ask for medical assistance

Eye contact: Rinse the eyes with plenty of water during at least 15 minutes, keeping the eyelid way open. If irritation persists, ask for medical assistance.

Inhalation: Move away the affected person form the polluted area, and bring it to inhale fresh air. Keep the patient resting and maintain its temperature. Call the doctor.

Ingestion: Rinse the mouth with plenty of water. Do not make the patient throw up. Never give to an incontinent person neither to eat nor drink. If symptoms persist, ask for medical assistance. Symptomatic treatment.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable: Foam, CO₂, Water Spray, Dry chemical powder or Carbon dioxide.
Inappropriate way of extinction: A direct jet of water.

5.2 Specific dangers released from the substance or mixture.

In case of combustion or thermic degradation, it can generate nitrogen oxide, carbon monoxide and carbon dioxide.

The product itself is not inflammable. The measures of extinction may be coordinated according to the circumstances and local regulations.

5.3 Recommendations for fire fighters.

Special protection equipment for fire fighters: In case of fire, use breathing independent equipment and a personal protection suit. Wear self –contained breathing apparatus.

SECTION 6: MEASURES ACCIDENTAL RELEASE

6.1 Personal precaution, protection team and emergency procedure.

- Isolate and limit the affected zone
- Use the personal protection equipment
- Avoid skin and eyes contact
- Use gloves and security gloves
- Evacuate the team to a safe zone

6.2 Precaution for environmental protection.

- Avoid generate water to filter into the sewage system or into the water cycle
- Avoid spilling the product in residual water

6.3 Methods for collection and cleaning.

Soak up inert absorbent material (sand, silical gel, universal binder, sawdust). The rest of the spilled with a flash of water. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed container for disposal.

6.4 Reference to other sections.

Check section 8 and 13

SECTION 7: HANDLING AND STORAGE

7.1 Precaution for safe handling.

Use personal protection equipment, avoiding skin contact.

Follow well industrial practice recommendations during the storages, as individual industrial hygiene steps.

The containers that contain that product might be handled with care in other to avoid spilling and brokenness, protecting the handlers of eventual loss or poured and avoiding inhaling the vapor, by using gloves and safety goggles.

Do not use products near an electric spring or near a flame.

Do not smoke nor drink. Wash hands with neutral soap after the product manipulation.

Move away clothes and protection equipment before entering in eating zones.

7.2 Terms for safe handling, including possible incompatibility.

Keep away from food, drink or feed. Storage in its original container, in fresh appropriate places and good ventilated in order to guarantee the original characteristics of the product. Keep it in a temperature not superior to 35° C. Protect from freezing and sun. Keep away from children reachment, non-authorized people and animals.

7.3 Specific final uses.

Agriculture:

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control factors.

There are not established exposure limits for any of the product components.

Components	# CAS	Control parameters	Updated	Base

8.2 Exposure controls.

Check section 7

8.2.1 Appropriate technical controls.

Check section 7

8.2.2 Personal protection.

Eye protection: Wear appropriate goggles when mixing the components, diluting and other ways of managing the product. Goggles with lateral protection or a face screen.

Skin protection: Wear appropriate safety clothes for avoid skin contact. People in charge of the physical use of the product must wear long neck shirts, long trousers and eye protection. When washing cloth, hot water and detergent should be used.

Breathing protection: The product does not show any risk by itself, as vapor and vapor exposition. However, it an accidental scape occurs in the working zone it must be protected with the according equipment; with breading mask or the appropriate filter.

Skin and body protection: Working clothe, boots and apron are recommended.

Hygiene measures: Manipulate the product with the corresponding hygienic steps and industrial security, Have a container with distilled water for clean the eyes. Remove and clean the polluted clothe before reusing it. Wash your hands before and after a break.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information about physical and chemical properties.

Form	Liquid
Aspect	Fluid
Colour	Yellow-brown
Odour	Not applicable
pH	7.0±0.5
Flash point	No relevant
Boiling point	No relevant
Evaporation rate	No relevant
Ignition point	No applicable
Decomposition temperature	No relevant
Spontaneous ignition temperature	No relevant
Inflammability	No inflaming
Explosivity	No explosive
Oxidative properties	No relevant
Vapor pressure	No relevant
Vapor density	No relevant
Viscosity	No available
Relative density	1,19g/ml
Water solubility	Miscible in water
Distribution of the coefficients of n-octane/water	No relevant

SECTION 10: STABILITY AND REATIVITY

10.1 Reactivity.

Do not show reactivity danger, in good conditions of storage of the product. Check Epigraph 7. The product is stable in normal conditions of storage and manipulation. Storage in a dry and fresh place, in well ventilate locals and keep it away from drinks, food and feed.

10.2 Chemical stability.

The product is stable in normal conditions of storage. As in pressure and temperature during storage.

10.3 Toxicological information.

No hazardous reactions when stored and handled according to prescribed instructions

10.4 Condition to avoid.

Extreme of temperature.

10.5 Incompatible materials.

Store only in the original container

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological effects.

High toxicity	No available data
Cutaneous corrosion / irritation	No available data
Important ocular lesion / irritation	No available data
Breathing apparatus or skin sensibility	No available data
Chronic toxicity	No available data
Genotoxicity	No available data
Reproductive toxicity	No available data

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity.

Aquatic toxicity	No available data
Sediment toxicity	No available data
Land toxicity	No available data

12.2. Persistency and degradability.

Biodegradable product

12.3 Bioaccumulative potential

No available data

12.4 Mobility in soil.

No available data

12.5 Results of PBT and mPmB valuation.

No available data

12.6 Other adverse effects.

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal consideration of used containers.

Product: Do not contaminate ponds, rivers or canals with chemical or used container. Do not remove the waste in the sewer. If not you can recycle, delete in accordance with local regulations.

Contaminated packaging: strongly triple rinse each container used, pouring water to the sprayer. The end user is responsible for the correct management of containers used, according to current regulations. It is recommended an authorized agent to perform its proper management (SIGFITO).

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SECTION 14: TRANSPORT INFORMATION

ADR/RID: No special needs when transporting it. It is not classified as a dangerous product.

IMDG: No special needs when transporting it. It is not classified as a dangerous product.

ICAO/IATA: No special needs when transporting it. It is not classified as a dangerous product.

SECTION 15: REGULATORY INFORMATION

15.1 Reglamentation and legislation on matter of security, health and environment specifically for the substance or mixture.

Classification:

Product not classified as dangerous according to the European regulation 67/548/CE and according to the European regulation 1272/2008 CE.

Regulation:

Clasification according to EU Directives 67/548/CE, or 1999/45//CE and acordance with EC 1272/2008 on classification, labelling and packaging of substances and mixtures , as amended (CLP):

Directive 453/2010, modification: 1907/2007 Registered, evaluation, authorization and restrictive substances and guidelines established by regulation (REACH.)

Directive 91 689/CEE according hazardous waste.

Clasification according 689/2008 according to exportation e importation of hazardous components, when safety data sheet required: Not relevant.

15.2 Evaluation of chemical security:

The supplier has not done the evaluation. Not available.

SECTION 16: OTHER INFORMATION

Complete text of the H phrases mentioned in point 2 and 3:

H302: Acute toxicity (ingestion), cat.4. Harmful if swallowed.

H315: Irritation or skin corrosion, cat.2. Causes skin irritation.

H318: Severe ocular lesions or irritation of the eyes, cat.1. Causes serious eye damage.

H319: Severe ocular lesions or irritation of the eyes, cat.2. Causes serious eye irritation.

H410: Dangerous for the aquatic environment-chronic danger, cat.1. Very toxic to aquatic life with long-lasting effects

Prudence advice:

P102: Keep out of reach of children.

P103: Read label before use.

P270: Do not eat, drink or smoke when using this product.

P103: Read label before use.

P234+P235: Keep only in original container and keep cool.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P301+P330+P312: If swallowed: call a Poison Center or doctor if you feel unwell. Rinse mouth.

P302+P352: If on skin: wash with plenty of soap and water.

P305+P351+P338: If in eyes: rise cautiously with water for several minutes. Remove contacts lenses, if presents and easy to do. Continue rising.

Disposal considerations:

P273+P391: Avoid release to the environment. Collect spillage.

P501: Remove the substance and its container at a collection point for hazardous or special waste, in accordance with local, regional, national or international regulation.

Legislation applicable to security card:

Data Safety Sheet is in accordance with Directive UE 1999/45 CE, 67/48/CE, 1272/2008/CE, 1907/2006 Regulation UE (REACH).

RESIGNATION OF RESPONSABILITY

The information in this document is the last revision and the most correct until the date of its impression. The information given in this document has been collected from the best existing sources and according to the last available knowledge and with current requirements on classification, packaging and labeling of dangerous substances. This does not imply that the information is exhaustive in all cases. It is the user responsibility to determine if the information is valid in each case of usage and where it is not according to the material, used in combination with other materials or any other process, unless it is reflected in this document. For this and other reasons, we do not assume any responsibility of lost, damage or expense arising by any way related to managing, storing, use or elimination of the product.

This version replaces the previous ones. Product's names are marks registered by Zoberbac, SL.

Abbreviations and acronyms:

ADR:	European Agreement Concerning the International Carriage of Dangerous Goods by Road.
IMDG:	International Maritime Code of Dangerous Goods.
CL50:	Lethal concentration, 50%.
CE50:	Effective concentration, 50%.
RID:	Regulation concerning the International Carriage of Dangerous Goods by Rail.
IATA-DGR:	International Air Transport Regulation Of Dangerous Goods.
DL50:	Dosis letal medial, 50%.
SGA:	Global harmonized Classification System and labelling Chemist Product.

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