

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
1 de 8

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

1.1 Product identifier

VITAL POWER COPPER

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 AGROCOMPANY S.L.**
C/ Dels Ferrers, 14-16.
Pol. Ind. Vilanoveta
08812 Sant Pere de Ribes (Barcelona)
Tel. 93 811 54 00 Fax: 93 893 99 07
e-mail: zoberbac@zoberbac.com

Emergency telephone ZOBERBAC AGROCOMPANY S.L.
Telephone office hours Zoberbac Agrocompany S.L.: +34 938115400
Schedule: Mon. to Thurs. (09.00-13.00/15.00-17.00) Fri. (9.00-14.00)

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 accordance 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 if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H412: Toxic to aquatic life with long lasting effects.

Pictogram:



Warning word:

Attention

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
2 de 8

Precautionary Statements:

- P102:** Keep away of reach of children.
- P103:** Read label before use.
- P234+P235:** Keep only in original container and keep cool.
- P270:** Neither eating, drinking nor smoking during its utilization.
- P264:** Wash excellent thoroughly after handling.
- P280:** Wear protective , gloves/ protective clothing/eye protection/face protection.
- P234:** Kept in its original container.
- P302+352:** If on skin: Wash with plenty of soap and water.
- P362:** Take off contaminated clothing and wash before reuse.
- P305+P351+P338:** If in eyes: Rise cautiously with water for several minutes. Remove contacts lenses, if presents and easy to do. Continue rising.
- P332+P313:** If skin irritation occurs: Get medical advice/attention.
- P301+312:** If swallowed, call Poison Center, or doctor /physician if you feel unwell.
- P330:** Rinse mouth.

Disposal considerations to the elimination:

- P273:** Avoid releaseto the environment.
- P391:** Colletec spillage.
- P501:** Dispose to a collection point for hazardous or special waste, according with locla, regional, national international regulations (Cupric Sulfate).

2.3 Identification of other dangers:

Regulation 1272/2008 (CLP):
Not relevant

SECTION 3: COMPOSITION/INFORMATION ABOUT COMPONENTS

3.1 Identification of the substance: Fertilizer CE.E.1.3 (f) Cooper-based solution (Cu).

3.2 Mixture: Mixture of substantes

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

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

Components:

Chemical name	Nº CAS Nº CE Nº REGISTRO	Clasif. Reglamento 1272/2008
Copper Sulphate	7758-99-8	H302: Hamful is swallowed H315: Causes skin irritation. H319: Causes serious eye irritation. H412: Toxic to aquatic life with long lasting effects

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

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
3 de 8

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

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
4 de 8

6.3 Methods for collection and cleaning.

Soak up inert absorbent material (sand, silica 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	Puesto al Día	Base

8.2 Exposure controls.

Check section 7

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
5 de 8

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 clothe 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 clothe, 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
Color	Blue-green
Odor	Citric
pH	3.9±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	1,21Kg/l
Water solubility	Miscible in water
Distribution of the coefficients of n-octane/water	No relevant

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
6 de 8

SECTION 10: STABILITY AND REACTIVITY

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	Causes skin irritation
Important ocular lesion / irritation	Causes serious eye irritation
Breathing apparatus or skin sensibility	Causes skin irritation
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 Bio accumulative potential

No available data

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
7 de 8

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).

The end user is responsible for the correct management of containers used, according to current regulations. It recommends that an authorized agent recruitment.

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:

Classification according to EU Directives 67/548/CE, or 1999/45/CE and accordance 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.

Classification 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.

SAFETY DATA SHEET -SDS-

Según Directiva CE nº1907/2006 (REACH)
Modifica reglamento UE 453/2010/EC



VITAL POWER COPPER

RV01 01/06/16
8 de 8

SECTION 16: OTHER INFORMATION

Prudence advice:

- P102:** Keep away from reach of children.
- P103:** Read label before use.
- P234+P235:** Keep only in original container and keep cool.
- P270:** Neither eating, drinking nor smoking during its utilization.
- P264:** Wash excellent thoroughly after handling.
- P280:** Wear protective , gloves/ protective clothing/eye protection/face protection.
- P234:** Kept in its original container.
- P302+352:** If on skin: Wash with plenty of soap and water.
- P362:** Take off contaminated clothing and wash before reuse.
- P305+P351+P338:** If in eyes: Rise cautiously with water for several minutes. Remove contacts lenses, if presents and easy to do. Continue rising.
- P332+P313:** If skin irritation occurs: Get medical advice/attention.
- P301+312:** If swallowed, call Poison Center, or doctor /physician if you feel unwell.
- P330:** Rinse mouth.

Disposal considerations to the elimination:

- P273:** Avoid releaseto the environment.
- P391:** Colletec spillage.
- P501:** Dispose to a collection point for hazardous or special waste, according with locla, regional, national international regulations (Cupric Sulfate).

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 Agrocompany, 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 Reglamentation Of Dangerous Goods.
- DL50:** Doses lethal medial, 50%.
- SGA:** Global harmonized Classification System and labelling Chemist Product.