

## SAFETY DATA SHEET VINOVIT

Revision No. 4, October 2023; Complies with Reg (EU) 2020/878

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE MANUFACTURING COMPANY

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### 1.1 Product identification

**Chemical name:** nutriente complesso minerale

**Trade names and synonyms:** Vinovit

### 1.2 Relevant identified uses of the substance/mixture and uses not recommended:

Food additive, for professional use only.

### 1.3 Information about the supplier of the safety data sheet

essedielle srl

S.P. 538 km. 6,950 - CALDARI

66026 ORTONA (CH)

ITALY

Phone: +39 (0) 85 9031315

Qualified persons responsible for the safety data sheet: [laboratorio@essedielle.com](mailto:laboratorio@essedielle.com)

### 1.4 Emergency telephone number:

essedielle srl +39 (0) 85 9031315 – 0039 3668134126

Poison Control Center

S.S. Annunziata Hospital – Chieti +39 0871 1551219

## 2. HAZARD IDENTIFICATION

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### 2.1. Classification of the substance or mixture

Criteria of Directives 67/548/EC, 99/45/EC as amended: properties/symbols: none.

Criteria EC Regulation 1272/2008 (CLP): the product is not considered hazardous according to EC Regulation 1272/2008 (CLP).

Physicochemical effects harmful to human health and the environment: no other hazards.

### 2.2 Label elements

Symbols: none

Hazard Statements: none

Cautionary Advice: none

Special Provisions: none

Special provisions under Annex XVII of REACH and subsequent adaptations: none

### 2.3 Other dangers

vPvB Substances: none - PBT Substances: none

#### Other dangers

No other dangers

## 3. COMPOSITION/INGREDIENT INFORMATION

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### 3.1 Substances

**Substance identification:** none

**Hazardous components under EC Regulation 1272/2008 (CLP) and their classification**

None

### 3.2 Mixture

Hazardous component to be reported substance for which EU regulations set workplace exposure limits.

Substance	Concentration	Classification	CAS	EINECS	Index	REACH
Perlitic Flour	10% P/P		93763-70-3	618-970-4		
Ammonium sulfate	50-75%		7783-20-2	231-984-1		01-2119455044-46

## 4. FIRST AID MEASURES

### 4.1 Description first aid measures

In case of inhalation: take the injured person to fresh air. If breathing is difficult give oxygen or practice artificial respiration.

In case of skin contact: remove contaminated clothing immediately. Immediately wash areas of the body that have come in contact with the toxicant, even if only suspected, with plenty of running water and soap if necessary. Wash the body completely (shower or bath).

In case of eye contact: immediately flush with running water with open eyelids for at least 15 minutes. Consult an ophthalmologist. Protect the uninjured eye.

In case of ingestion: induce vomiting. Seek immediate medical attention, showing the security data sheet.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing means

#### Suitable extinguishing means

Water. Carbon dioxide (CO<sub>2</sub>).

#### Extinguishing media that should not be used for safety reasons

None.

### 5.2 Special hazards from combustion products

It can decompose at high temperatures releasing toxic gases. Ammoniacal. Phosphorus oxides.

### 5.3 Recommendations for fire suppression operators

Use respiratory protection. Safety helmet and full protective clothing. Water mist can be used to protect people engaged in extinguishing. It is also advisable to use self-contained breathing apparatus, especially if working in closed and poorly ventilated places and in any case if using halogenated extinguishing agents (fluobrene, solkane 123, naf etc.). Cool containers with water jets.

### 5.4 Other information

Water used in firefighting that is contaminated with the product must be disposed of in accordance with local regulations.

## 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

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

Wear personal protective equipment. Move people to a safe place. Refer to the protective measures set out in section 7 and 8.

### 6.2 Environmental precautions

Prevent penetration into the soil/subsoil. Prevent runoff into surface water or sewage system.

### 6.3 Methods and materials for containment and remediation

Small quantities: wash with plenty of water.

## 6.4 Reference to other sections

See also paragraph 8 and 13

## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Do not eat or drink while working.

Also refer to section 8 for recommended protective equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Incompatible materials: none.

See also section 10 below.

Indication for premises: adequately ventilated premises.

### 7.3 Specific end uses

Food industries: handle with care. Store in a clean, dry and ventilated environment, away from heat sources and direct sunlight. Keep container tightly closed.

Industrial uses: handle with extreme care. Store in a well-ventilated place and away from heat sources.

Professional uses: handle with caution.

## 8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

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### 8.1 Control parameters

Relativi alle sostanze contenute: Perlite:

Valore limite - Otto ore (ppm)/(mg/m<sup>3</sup>)

Australia: x/10(1)

Austria: x/5 aerosol inalabile

Belgio: x/10

Canada - Ontario: x/10(1) Canada - Québec: x/10(totale) - 5 (respirabile)

Lettonia: x/4(1) Repubblica Popolare

Repubblica Popolare Cinese: x/8(1) - 4(2)

Singapore: x/10

Corea del Sud: x/10

USA - NIOSH: x/10 polvere totale - 5 frazione respirabile

Valore limite - Breve termine

Australia: x/x Austria: x/10 aerosol inalabile

Belgio: x/x

Canada - Ontario: x/x

Canada - Québec: x/x

Lettonia: x/x Repubblica Popolare

Repubblica Popolare Cinese: x/x

Singapore: x/x Corea del Sud: x/x

USA - NIOSH: x/x

## 8.2 Exposure controls



### Eye protection

Wear safety glasses with side shields according to EN 166.  
 Operate according to good working practices in any case.

### Skin protection

No special precautions are required for normal use.

### Hand protection

Use chemical-resistant protective gloves (EN 374-1/EN374-2/EN374-3) When handling the pure product, wear full skin protection clothing (generic/anti-acid work dress, S3-EN ISO 20345 safety shoes) or other protective equipment as directed by the RSPP.

### Respiratory protection

During manual operations in case of inadequate ventilation, use mask with dust filter - White, P (EN 143) unless otherwise specified by RSPP and/or environmental hygiene survey assessments.

### Thermal hazards

None

### Environmental exposure controls

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on general physical and chemical properties

<b>Appearance</b>	White granules
<b>Color</b>	Beige/White
<b>Odor</b>	Odorless
<b>Olfactory threshold</b>	None
<b>Ph value</b>	8.2 sol 5%
<b>CHANGE OF STATE</b>	
<b>Melting point/interval</b>	Not determined
<b>Boiling point/interval</b>	Not determined
<b>Flash point</b>	Not determined
<b>Flammability (solids, gases)</b>	Not determined
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Explosive properties</b>	Non explosive
<b>Lower flammability limits</b>	Not determined
<b>Upper flammability limits</b>	Not determined
<b>Vapor pressure at 20°C</b>	Not determined
<b>Density at 20°C</b>	Not determined
<b>Relative density</b>	Not determined

<b>Vapor density at 20°C</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Solubility in/Miscibility with water</b>	At 20 °C: 900 g/1000 ml
<b>Specific rotation</b>	Not determined
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Dynamic Viscosity at 20 °C</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined

## 9.2 Other information

<b>Molecular mass</b>	Not determined
<b>Conductivity</b>	Not determined
<b>Liposolubility</b>	Not determined
<b>Particular properties groups of substances</b>	
<b>Other useful information</b>	None

## 10. STABILITY AND RESPONSIVENESS

### 10.1 Responsiveness

Under normal conditions, it is completely stable in air and light.

### 10.2 Chemical stability

Under normal conditions, it is completely stable in air and light.

### 10.3 Possibility of dangerous reactions

No dangerous reaction

### 10.4 Conditions to be avoided

None in particular

### 10.5 Incompatible materials

None in particular

### 10.6 Hazardous decomposition products

None

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard effects

Toxicological information regarding the mixture: the product is nontoxic.

Unless otherwise specified, the data required by Regulation 453/2010/EC below are intended to be undetermined:

ATE (mix) oral = ∞

ATE (mix) dermal = ∞

ATE (mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.

- (b) corrosion / skin irritation: based on available data the classification criteria are not met.
- (c) severe eye injury/irritation: based on available data the classification criteria are not met.
- (d) respiratory tract or skin sensitization: based on available data the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data the classification criteria are not met.
- (j) aspiration hazard: based on available data the classification criteria are not met.

## 11.2 Health hazards

Eye contact: accidental contact of the product with the eyes may cause irritation.

Skin contact: the product is non-irritating. Repeated and prolonged direct contact may degrease and irritate the skin, causing dermatitis in some cases.

Ingestion: ingested product may cause irritation of the mucous membranes of the throat and digestive tract resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: prolonged exposures to vapors or mists of the product may cause respiratory tract irritation.

## 12. ECOLOGICAL INFORMATION

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### 12.1 Toxicity

#### Acute aquatic toxicity

Product poses no special risk to the environment

### 12.2 Persistence and degradability

Not relevant, inorganic substance.

### 12.3 Bioaccumulative potential

Minimal, not relevant

### 12.4 Mobility in soil

Data not available

### 12.5 Results of PBT and vPvB assessment vPvB substances: None - PBT substances: None

### 12.6 Other adverse effects

None. Phosphate is a plant nutrient, so it can promote phytoplankton growth in water.

## 13. DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

#### PRODUCT

Inorganic product not to be disposed of through biological treatment systems. Dispose of residues in accordance with current regulations through licensed disposers. Recover if possible. Operate in accordance with current local and national regulations.

#### CONTAMINATED PACKAGING

Empty as best as possible by fully opening them. Dispose of in accordance with the material of incorporation.

### 13.2 HP Phrases

None



## 14. TRANSPORTATION INFORMATION

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### 14.1 UN Number

Non-dangerous good within the meaning of transport regulations.

### 14.2 UN proper shipping name

N.A.

### 14.3 Transport hazard class(es)

N.A.

### 14.4 Packing group

N.A.

### 14.5 Environmental hazards Marine pollutant

No

### 14.6 Special precautions for users

N.A.

### 14.7 Transport of bulk according to MARPOL Annex II and the IBC Code

N.A.

## 15. REGULATORY INFORMATION

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### 15.1 Health, safety and environmental laws and regulations specific to the substance or mixture

Legislative Decree 3/2/1997 No. 52 (Classification, packaging and labeling of dangerous substances)

Legislative Decree 14/3/2003 No. 65 (Classification, packaging and labeling of dangerous preparations)

D.M. Labor 26/02/2004 (Occupational exposure limits)

Ministerial Decree 03/04/2007 (Implementation of Directive No. 2006/8/EC)

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No 790/2009 (ATP 1 CLP)

Regulation (EU) No 453/2010 (Annex I)

Regulation (EU) No 286/2011 (ATP 2 CLP)

Restrictions on the product or substances contained under Annex XVII of the Regulation (EC) 1907/2006 (REACH) and subsequent adaptations: None

Where applicable, please refer to the following regulations:

Ministerial Circulars 46 and 61 (Aromatic Amines).

Legislative Decree No. 238 of September 21, 2005 (Seveso Ter Directive).

EC Regulation No. 648/2004 (Detergents).

Royal Decree January 9, 1927, no. 147 (Toxic Gases)

D.L. 3/4/2006 n. 152 Environmental regulations.

### 15.2 Chemical safety assessment

No

## 16. OTHER INFORMATION

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This sheet cancels and replaces any previous edition.



This document was prepared by a technician who is competent in SDS and has received appropriate training.

### Main bibliographic sources

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition -Van Nostrand Reinold  
CCNL - Annex 1  
National Institute of Health - National Inventory of Chemical Substances.

The information contained herein is based on our knowledge as of the date above. They refer only to the product indicated and do not constitute a guarantee of any particular quality. The user is responsible for ensuring the suitability and completeness of this information in relation to the specific use to be made of it.

### LEGEND SYMBOLS

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Service of the Chemical Abstract (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived no-effect level.  
EINECS: European inventory of existing chemicals on the market.  
GefStoffVO: Ordinance on hazardous substances, Germany.  
GHS: General harmonized system of classification and labeling of chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Regulations for the transportation of dangerous goods of the "International Air Transport Association"(IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization"(ICAO).  
IMDG: International Maritime Dangerous Goods Code.  
INCI: International nomenclature of cosmetic ingredients.  
KSt: Coefficient of explosion.  
LC50: Lethal concentration for 50 percent of the population tested.  
LD50: Lethal dose for 50 percent of the population tested.  
N.A.: Not Available  
PNEC: Predicted no-effect concentration.  
RID: Regulations concerning the international transport of dangerous goods by rail.  
STE: Short-term exposure.  
STEL: Short-term exposure limit.  
STOT: Specific target organ toxicity.  
TLV: Threshold limit value.  
TWATLV: Threshold limit value for an 8-hour weighted average exposure per day. (ACGIH standard).  
WGK: German water hazard class.