

Safety data sheet according to 91/155/EEC - Revision REACH 01/07/08

Trade name: Veroneser Grüne Erde / Veronese Green Earth

Date emission: 02.08.2004

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Veroneser Grüne Erde / Veronese Green Earth
Article No: 1050 000, 1050 120

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

Application of the substance/
the preparation: Pigment

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Company: Deffner & Johann GmbH
Mühlackerstr. 13
97520 Rötthlein/Schweinfurt
Deutschland
Phone: +49 (0) 09723 9350-0
Fax: +49 (0) 09723 9350-25
E-Mail: info@deffner-johann.de

1.4 Emergency telephone number:

Phone: +49 (0) 9723/9350-0
(Mo, Tue, Fr 8.30 am – 14 pm)

2. Hazards identification

2.1 Classification of the substance or mixture

Not necessary.

3. Composition/information on ingredients

Milled and purified natural green earth (Silicati e ossidi ferrosi e ferrici Al, Fe, Mg, K)
CAS No.: 1309-37-1

4. First aid measures

4.1 General information

4.2 After inhalation

If inhaled, move to fresh air.

4.3 After skin contact

Wash affected skin with water and soap.

4.4 After eye contact

Flush eye with flowing water.

4.5 Ingestion

If swallowed, dilute with water and induce vomiting.

5. Firefighting measures

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This product is not flammable, it doesn't produce toxic effect.

Unusual fire and explosion hazards: none.

5.1 Extinguishing media

No information available.

5.2 For safety reasons unsuitable extinguishing agents:

No information available.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advice for firefighters

No information available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Clean up with the appropriate personal equipment.

6.2 Environmental precautions

This product is not dangerous for the nature.

6.3 Methods and material for containment and cleaning up

No information available.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

A moderately dry, well-ventilated area is considered suitable for handling and storage.

Usual precautions for nuisance dust should be observed.

Steps to be taken in case material is released or spilled: clean up with wetting or material avoiding dusting.

7.2 Conditions for safe storage, including any incompatibilities

No information available.

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8. Exposure controls/personal protection

8.1 Control parameters

Respiratory protection is advisable in dusty place.
TLV-TWA = 10 mg/m³

8.2 Exposure controls

No information available.

8.3 Personal protective equipment

Respiratory/ eye/ hand protection: not necessary

8.3.1 Eye protection

Not necessary.

8.3.2 Protection of hands

Not necessary.

8.3.3 Body protection

No information available.

8.3.4 Respiratory protection

Respiratory protection is advisable in dusty place.
TLV-TWA = 10 mg/m³.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form:	Powder
Colour:	Veronese Green Earth
Odour:	none
Odour threshold:	No information available.
pH-value:	6 - 9
Change in condition:	
Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not applicable.
Flash point:	Not applicable.
Flammability (solid, gaseous):	None.
Decomposition temperature:	No information available.
Self-igniting:	No information available.
Danger of explosion:	No information available.
Vapour pressure:	No information available
Specific gravity (H ₂ O=1)	ca. 0,800 g/cm ³
Vapour density:	No information available.
Relative Density:	No information available.
Evaporation rate	No information available.
Solubility in / Miscibility with water (g/l):	insoluble in water.
Segregation coefficient (n-octanol/water)	No information available.
Viscosity	
Dynamic:	No information available.
Kinematic:	No information available.

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9.2 Other information

Extinguishing media: no restriction.

Minerals:

SiO ₂	29,9%,
Al ₂ O ₃	6,7%,
TiO ₃	1,44 %,
Fe ₂ O ₃	12%,
MgO	4,5%,
CaO ₃	20,8%,
Na ₂ O	0,23%,
MnO	0,09%
K ₂ O	0,76%
fire loss	22,18%

10. Stability and reactivity

10.1 Reactivity

No information available.

10.2 Stability

Stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. Toxicological information

11.1 Information on toxicological effects

The product is not toxic.

Acute oral toxicity: LD50 (rat) > 5g/kg

12. Ecological information

Not dangerous for the nature.

12.1 Toxicity

Aquatic toxicity: No information available.

12.2 Persistence and degradability

No information available.

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12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

13. Disposal considerations

13.1 Waste treatment methods

Consult a local expert for advice on the disposal of the material.

Ensure that disposal is in compliance with local, national regulations.

14. Transport information

No restrictions.

		ADR / RID	ADN / ADNR	IMDG	IATA
14.1	UN No	--	--	--	--
14.2	UN proper shipping name	--	--	--	--
14.3	Class	--	--	--	--
14.4	Label	--	--	--	--

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is not a substance subjected to mandatory marking with the EEC Directive 67/548/EEC.
It is a natural product.

16. Other information

This information herein is based on the present state of knowledge, but without liability. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization