

MATERIAL SAFETY DATA SHEET

Terre Blanche Vicenza - White Earth Vicenza Mineral Pigment

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

1.1. Product Identifier

Code: TBD
Product Name: White Earth Vicenza Mineral Pigment
IC Color: TBD

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

Use of the Substance/Preparation: Colouring Substance/ Pigment | Artists and Restoration Material

1.3. Details of the Supplier of the Safety Data Sheet

Company: Color Rare Ltd 105-1725 Atmec Gatineau, QC J8R 0E7
Tel/Fax: 1-613-701-5022
Email: info@terrachrom.com

1.4. Emergency Telephone No.:

Canada Contact your local Provincial Poison Centre or 911
<http://www.capcc.ca/> Ontario: 1-800-268-9017
Quebec: 1-800-463-5060

USA American Association of Poison Control Centers 1-800-222-1222
<http://www.aapcc.org/>

SECTION 2: Hazards Identification

NOT NECESSARY

2.1. Classification of the substance or mixture

Classification according to EC Regulation 1272/2008:
This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45: The material is not subject to classification according to EC lists.

Material Safety data sheet
Product: **WHITE EARTH VICENZA**

Revision No. 3
Dated: 2023 11 14

SECTION 3: Composition/Information on Ingredients

Chemical Characterization:

Calcium carbonate (CaCO₃) 50 - 55 %
CAS-Nr: 471-34-1 EINECS-Nr: 207-439-9

Bentonite 45 - 50 %
CAS-Nr: 1302-78-9 EINECS-Nr: 215-108-5

Hazardous Ingredients: NONE (Natural colorant)
Exempted from the mandatory REACH Registration (Annex V)

SECTION 4: First-Aid Measures

General information: No special first-aid measures required.

After inhalation: Take affected person to fresh air.

After skin contact: Remove and wash contaminated clothes. Wash affected skin with soap and rinse with plenty of water.

After eye contact: Remove contact lenses. Flush eyes with plenty of water. In case of discomfort seek medical help.

After ingestion: If swallowed, rinse mouth and drink plenty of water. If in doubt or if symptoms persist, consult a physician. Never give anything by mouth to an unconscious person.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Non-flammable product. Use extinguishing media for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Do not inhale fumes or dust.

5.3. Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

Material Safety data sheet
Product: **WHITE EARTH VICENZA**

Revision No. 3
Dated: 2023 11 14

No special measures required. The product is not dangerous for the environment.

6.3. Methods and material for containment and cleaning up

Clean up manually and with appropriate personal protective equipment.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Instructions on safe handling: Avoid formation and deposit of dust. Provide adequate ventilation.
Hygienic measures: Wash hands at the end of work. Preventive skin protection recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool and dry place in well sealed and labeled packages.
Requirements for storage areas and containers: Do not store with acids.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Parameters to be controlled (DE): Bentonite (quartz dust): TLV: 3 mg/m³ (airborne dust), 10 mg/m³ (inhalable dust)

Natural calcium carbonate, CAS 1317-65-3 VME (FR): 10 mg/m³ MAK (CH): 3 mg/m³ OEL/ HTP (FI): 10 mg/m³ (8h) TWA / EH40 (GB): 10 mg/m³; 4 mg/m³ Derived No-Effect Level (DNEL): Calcium carbonate: 10 mg/m³ (worker, inhalation, long-term exposition - local effects) Predicted No-Effect Concentration (PNEC): Calcium carbonate: Sewage treatment system (STP): 100 mg/l

8.2. Exposure controls

Technical protective measures: Provide adequate ventilation.
General protective measures: Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.
Respiratory protection: Respiratory protection is advisable in case of dust formation.
Hand protection: Protective gloves (EN 374)
Eye protection: Safety glasses (EN 166)

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: powder

Material Safety data sheet
Product: **WHITE EARTH VICENZA**

Revision No. 3
Dated: 2023 11 14

Color: brown / white
Odor: odorless
pH-Value: NA
Melting temperature: NA
Boiling temperature: NA
Flash point: not combustible
Evaporation rate: not applicable
Flammability (solid, gas): non-flammable
Vapor pressure: not applicable
Vapor density: NA
Apparent Density: NA
Solubility in water: insoluble
Auto-ignition temperature: not applicable
Viscosity, dynamic: not applicable
Explosive properties: Product is not explosive.
Oxidizing properties: NA
Relative density: NA

SECTION 10: Stability and Reactivity

10.1. Reactivity

There are no reaction risks with other substances in normal conditions of use and storage.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage. Product does react with acids.

10.4. Conditions to avoid

Do not store with acids, however, the usual precautions used for chemical products should be followed.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

Thermal decomposition may yield harmful gases and vapors.

SECTION 11: Toxicological Information

Acute Toxicity LD50, oral: Calcium carbonate: > 2000 mg/kg (rat)

Bentonite: > 2000 mg/kg (rat)

Material Safety data sheet

Product: **WHITE EARTH VICENZA**

Revision No. 3
Dated: 2023 11 14

LD50, dermal: Calcium carbonate: > 2000 mg/kg (rat)

LC50, inhalation: Calcium carbonate: > 3 mg/kg (rat)

Bentonite: >5.27 mg/l (rat)

Primary effects Irritant effect on skin: Non irritating

Irritant effect on eyes: Non-irritating to eyes

Inhalation: No information available.

Ingestion: No information available

Sensitization: No relevant data found.

Mutagenicity: No relevant data found.

Reproductive toxicity: No relevant data found. Carcinogenicity: No relevant data found.

Teratogenicity: No information available.

Specific target organ toxicity (STOT): No relevant data found.

Additional toxicological information: No information available

11.1. Information on toxicological effects

Non-toxic as the product is a natural earth mineral.

SECTION 12: Ecological Information

Aquatic Toxicity

Bentonite:

Fish toxicity: Bentonite: LC50: 16 mg/l (96h, *Oncorhynchus mykiss*) LC50: 2.8 - 3.2 g/l (sea fish)

Daphnia toxicity: Bentonite: EC50: > 100 mg/l (48h, *Daphnia magna*; OECD 202) EC50: 81.6 mg/l (96h, *Metacarcinus magister*) EC50: 24.8 mg/l (96h, *Pandalus danae*)

Bacteria toxicity:

Bentonite: 84.4 mg/kg (*Phaseolus vulgaris*; *Zeo mays*) Algae toxicity: Bentonite: EC50: > 100 mg/l (72h, *Selenastrum subspicatus*)

Use this product according to good working practices. Pigment is not soluble in water and biologically not degradable.

Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

Other Adverse Effects

Water hazard class: Not hazardous.

Behaviour in sewage systems: Further ecological effects: The solid form of these materials are a main component of the rocks at the earths surface. In the dissolved state it is a natural and indispensable component of the natural waters.

Material Safety data sheet
Product: **WHITE EARTH VICENZA**

Revision No. 3
Dated: 2023 11 14

SECTION 13: Disposal Considerations

Reuse, when possible.
Ensure that disposal follows national and local regulations.
Can be disposed of in a controlled dump.

SECTION 14: Transport Information

NO RESTRICTIONS

14.1. UN number

ADR, IMDG, IATA

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Information not relevant

SECTION 15: Regulatory Information

This product is not a dangerous substance according to the concerned EEC regulations.

SECTION 16: Other Information

The product is a natural earth mineral constituent.

The information contained in this document is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property. The use of this product is the responsibility of the user; therefore, users must, comply with the current health and safety laws and regulations. The producer is not liable for improper use of the product.