

Material Safety data sheet
Product: **Green Umber 786 South**

Revision No. 3
Dated: 2023 11 13

MATERIAL SAFETY DATA SHEET

TERRE OMBRE VERDATRE 786 SUD – Green Umber 786 South Mineral Pigment

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

1.1. Product Identifier

Code: TNIOMV-03
Product Name: Terre Ombre Verdâtre 786 Sud – Green Umber 786 South
IC Color: PBR8.77728

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

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: **Green Umber 786 South**

Revision No. 3
Dated: 2023 11 13

Skin Irrit. 2 - H315: Causes skin irritation
Eye Irrit. 2 - H319: Causes severe eye irritation.
STOT SE 3 - H335: May irritate the respiratory tract.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Xi; Irritating
R36/37/38: Irritating to the eyes, respiratory tract, and skin.

Section 2.2: Labelling Elements

Hazard pictograms: GHS07



Cautionary Note: Cautionary Hazard Warning: H315: Causes skin irritation.

H319: Causes severe eye irritation.

H335: May irritate the airways.

Precautionary statements: P101: If you consult a doctor, keep the container or label available.

SECTION 3: Composition/Information on Ingredients

Chemical Characterization: PBR8.77728, natural earth 90-100%

Formula: $a \cdot \text{FeO}(\text{OH}) + b \cdot \text{Fe}_2\text{O}_3 + c \cdot \text{Al}_2\text{O}_3 + d \cdot \text{CaCO}_3 + e \cdot \text{SiO}_4 + f \cdot \text{Mn}(\text{OH})_3$

CAS No: 1313-13-9

EINECS: not available

Made in Italy

Hazardous Ingredients: NONE

SECTION 4: First-Aid Measures

Description of the First Aid Measures

After inhalation: Bring affected person to fresh air.

If breathing is difficult or symptoms persist, call a physician.

After skin contact: Wash with soap and rinse with plenty of water. If irritation continues consult a physician.

After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.

After ingestion: Rinse mouth with water and give plenty of water to drink. Consult a physician.

Never give anything by mouth to an unconscious person. Do not induce vomiting.

General information: Seek medical attention in case of persistent symptoms.

Most Important Symptoms and Effects, both Acute and Delayed Possible symptoms: Irritates eyes, skin and respiratory system.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Use extinguishing media for surrounding fire. Water spray, foam are suitable media.

5.2. Special hazards arising from the substance or mixture

Do not inhale fumes

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. Wear protective equipment.

6.2. Environmental precautions

Avoid having the product enter the sewers and waterways.

6.3. Methods and material for containment and cleaning up Clean up while wearing appropriate personal equipment. Product can be vacuumed or swept. Use soap and water to clean surfaces where product has been in contact. No known incompatible materials.

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. Do not inhale product or dust. Hygienic measures: Wash hands at the end of work. Preventive skin protection recommended. Avoid contact with skin and eyes.
Fire and explosion prevention: Keep away from ignition sources - do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated and dry place in well sealed packages. Ensure storage containers are well labeled.
Requirements for storage areas and containers: Do not store with food. Do not store with flammable materials.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Parameters to be controlled (DE): (8hr TWA) 10mg/m³ (Total dust) and (8hr TWA) 4mg/m³ (Respirable dust)

Additional remarks: This document is based on the information available at the time of its preparation.

8.2. Exposure controls

Technical protective measures: While working with the product, the air at the workstation must be well ventilated. Provide adequate ventilation/exhaust system.

Personal Protective Equipment

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. Avoid contact with eyes and skin.

Respiratory protection: Dust mask recommended when very dusty (with particle filter P1).

Hand protection: Protective gloves. The glove material must be impermeable and resistant to the product / substance / preparation.

Protective glove material: Rubber or plastic gloves.

Eye protection: Safety glasses with protective shields (EN 166).

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: powder

Color: various

Odor: odorless

pH-Value 10% solution at 20 degrees C: 5 - 10

Melting temperature: NA

Boiling temperature: NA

Flash point: no information available

Evaporation rate: no information available

Flammability (solid, gas): no information available

Vapor pressure: no information available

Vapor density: no information available

Solubility in water: insoluble in water

Specific Gravity (H₂O=1): no information available

Density: ~5

Apparent density: 0.4 – 1.4kg/l

Auto-ignition temperature: no information available

Material Safety data sheet

Product: **Green Umber 786 South**

Revision No. 3
Dated: 2023 11 13

Viscosity, dynamic: no information available

Explosive properties: no information available

Oxidizing properties: no information available

Oil intake: no information available

Solubilities:

Water: insoluble in water

Organic solvents: insoluble in organic solvents. It disperses. Soluble in (some) mineral acids.

Flaxseed oil: no information available

Oleic acid: no information available

UV: no information available

Acidity (HCl 5%): no information available

Strength to the bases (Na₂CO₃ 5%): no information available

Thermal resistance: no information available

Humidity: no information available

Expiry period: 5 years minimum, in hermetically sealed packaging, protected from the light, moisture, frost and heat.

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.

10.4. Conditions to avoid

None, however the usual precautions used for chemical products should be followed.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Material Safety data sheet

Product: **Green Umber 786 South**

Revision No. 3
Dated: 2023 11 13

ACUTE TOXICITY 1-LD50: >5000 mg/Kg (oral rat)
Primary effect of irritation: Non-irritating / Non-corrosive
of the skin: Irritates the skin and mucous membranes.
eyes: Can cause Irritation

SECTION 12: Ecological Information

12.1 Aquatic toxicity: no other important information available.
12.2 Persistence and degradability: no other important information available.
12.3 Bioaccumulation potential: no other important information available.
12.4 Mobility in soil: no other important information available.
General indications: Water pollution category 1(D) (classification according to list): low polluting
Do not allow the product, undiluted or in large quantities, to enter the waterways or sewers.
12.5 Results of PBT and VPVBPBT assessments: Not applicable.
vPvB: Not applicable.
12.6 Other Adverse Effects: No other important information available.
Remarks: LC50, 96 hours, FISH, mg/l > 1000 (48h) Golden Idus. The product is insoluble in water and can be separated by sedimentation. No data available regarding bio-accumulation. The product is not considered biodegradable. Water risk classification: NWG

SECTION 13: Disposal Considerations

Methods of disposal: Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste-to-waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

- Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

SECTION 14: Transport Information

General: IMDG, IATA, ADR/RID, GGVSE, ADNR : not regulated

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Material Safety data sheet
Product: **Green Umber 786 South**

Revision No. 3
Dated: 2023 11 13

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 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.