

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



41000 Van Dyck Brown

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Revised edition: 20.06.2017

Version: 1

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1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Van Dyck Brown

Article No.: 41000

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Coloring agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:
Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

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2.3.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Natural Brown 8

Information on Components / Hazardous Ingredients:

Humic acids, sodium salts (Humic content > 66 %; Na-content: 8.5-9.5 %); REACH Reg. No. 01-2119484865-21-000

CAS-Nr: 68131-04-4
EINECS-Nr: 268-608-0
EC-Nr:

Additional information:

SVHC (Candidate List of Substances of very High Concern): does not contain any substances as listed in Annex XIV of the REACH Regulation 1907/2006/EC.

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

*Supply fresh air.
In case of complaints consult a physician.*

After skin contact:

*Wash off with 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.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

*Water mist.
Water jet.*

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Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides, sodium oxides, hazardous fumes.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid contact with eyes and skin.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

6.4. Reference to other Sections

For information for safe handling see Section 7.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Protect against humidity and water.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion

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protection:

Provide adequate exhaust ventilation at places where dust is formed.

Storage class (VCI):

11; Combustible solids

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

General dust limit

Parameters to be controlled (DE):

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Wear adequate protective clothing.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

The glove material must be sufficiently impermeable and resistant against the product.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

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9. 1. Information on Basic Physical and Chemical Properties

| | |
|--|--|
| <i>Form:</i> | <i>powder</i> |
| <i>Color:</i> | <i>dark brown</i> |
| <i>Odor:</i> | <i>none</i> |
| <i>Odor threshold:</i> | <i>No information available.</i> |
| <i>pH-Value:</i> | <i>4 - 5 (20°C)</i> |
| <i>Melting temperature:</i> | <i>not applicable</i> |
| <i>Boiling temperature:</i> | <i>not applicable</i> |
| <i>Flash point:</i> | <i>not applicable</i> |
| <i>Evaporation rate:</i> | <i>This product is a non-volatile solid.</i> |
| <i>Flammability (solid, gas):</i> | <i>not applicable</i> |
| <i>Upper explosion limit:</i> | <i>no information available</i> |
| <i>Lower explosion limit:</i> | <i>no information available</i> |
| <i>Vapor pressure:</i> | <i>not applicable</i> |
| <i>Vapor density:</i> | <i>This product is a non-volatile solid.</i> |
| <i>Density:</i> | <i>1.52 g/cm³ (20°C)</i> |
| <i>Solubility in water:</i> | <i>insoluble</i> |
| <i>Coefficient of variation (n-Octanol/Water):</i> | <i>not determined</i> |
| <i>Auto-ignition temperature:</i> | <i>not applicable</i> |
| <i>Decomposition temperature:</i> | <i>not applicable</i> |
| <i>Viscosity, dynamic:</i> | <i>not applicable</i> |
| <i>Explosive properties:</i> | <i>Product is not explosive.</i> |
| <i>Oxidizing properties:</i> | <i>not oxidizing</i> |

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Bulk density: 400 - 600 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Risk of explosion with oxidizing agents.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Thermal decomposition:

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon oxides and sodium oxide.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 2000 mg/kg (rat)

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

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

May cause skin irritation in sensitive persons.

Non irritating (rabbit)

Irritant effect on eyes:

May cause eye irritation in sensitive persons.

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Non-irritating to eyes (rabbit)

Inhalation:

May cause irritation of the respiratory system in sensitive persons.

Ingestion:

May cause irritation of the gastro-intestinal tract in sensitive persons.

Sensitization:

May cause sensitization.

Mutagenicity:

*Not mutagenic (OECD 471 Bacterial Reverse Mutation Test)
In vitro Mammalian Chromosomal Aberration Test (OECD 473):
negative
In vivo genetic-toxicity: micronucleus negative (National
Toxicology Program)*

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

*Repeated exposure: Subacute toxicity (oral): NOAEL: > 500 mg/kg
(28 days, rat)*

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

*LC50: > 128 mg/l (24h, 48h, 72h, 96h; Poecilla reticulata)
NOEC: 128 mg/l (24h, 48h, 72h, 96h; Poecilla reticulata)*

Daphnia toxicity:

*LC50: > 113 mg/l (24h, 48h; Daphnia magna)
NOEC: 113 mg/l (24h, 48h; Daphnia magna)*

Bacteria toxicity:

EC50: > 1000 mg/l (active sludge)

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Not readily biodegradable (5 %, 28d)

12.3. Bioaccumulation

logPOW: -2.08 +/- 0.44 (pH 9.5 bei 23°C)

12.4. Mobility

Surface tension: 66.6 mN/m (20°C)

*Adsorption: Adsorption coefficient in soil: log K < 1.3 (pH 1, 25°C)
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*Adsorption: Adsorption coefficient in sewage sludge: $\log K < 1.5$
(pH 1, 25°C)*

12. 5. Results of PBT- und vPvP Assessment

Not applicable.

12. 6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

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14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (German Regulation, self-assessment)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.