



PELI GLASS PRODUCTS B.V.

Safety Data Sheet

According to 1907/2006/EC, Article 31

Revision: 20-Apr-2009

1. Identification of the material and the company

1.1 Identification of the material

Quantum Brown (HG9017)

1.2 Use of the material

Glass paint

1.3 Importing company

PELI Glass Products, B.V.

Loodstraat 26

2718 RW Zoetermeer

Netherlands

Tel: +31(0)79 361 8154 / +31(0)628 755 901

(M-F, 9:00 – 16:00)

Fax: +31(0)79 361 8493

email: mail@peliglass.eu

Manufacturer:

Reusche & Co.

1299 H Street

Greeley, Colorado 80631

USA

Tel: +1970 346 8577

Fax: +1970 346 8575

email: info@reuscheco.com

1.4 Emergency telephone

Emergency: 112

2. Hazard identification



T Toxic



N Dangerous for the Environment

R 20/22: Harmful by inhalation and if swallowed.

R 33: Danger of cumulative effects.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 61: May cause harm to the unborn child.

R 62: Possible risk of impaired fertility.

Warning! Contains lead.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. Composition / information on ingredients

Dangerous components:

Name	Weight, %
Alumina (as Al)	0 – 8
Barium, soluble compounds (as Ba)	0 – 6
Borates (as Bo)	0 – 8
Cadmium compounds (as Cd)	0 – 8
Iron compounds (as Fe)	0 – 10
Inorg. Lead compounds (as Pb)	30 – 40
Silica, quartz (free, as Si)	18 – 28
Titanium (as Ti)	0 – 6
Zinc compounds (as Zn)	0 – 6
Zirconium compounds (as Zr)	0 – 8

Other components:

Frit (CAS# 65997-18-4)

C.I. Pigment Brown 35 (CAS# 68187-09-7)

4. First aid measures

General: Harmful if inhaled or swallowed. Repeated and prolonged inhalation may cause delayed injury.

Inhalation: Remove to fresh air. Call a physician.

Skin: Wash with mild soap and water. Call a physician.

Eyes: Flush eyes with water for at least 15 minutes. Call a physician.

Ingestion: If conscious, give large quantities of water or milk. Induce vomiting. Call a physician.

Wash contaminated clothing prior to reuse.

5. Fire fighting measures

No special firefighting procedures required. Material will not burn, however, use water to cool metal containers. Toxic fumes may be evolved during a fire.

6. Accidental release measures

Use appropriate protective equipment during clean up. Vacuum, with an H.E.P.A. filter-equipped vacuum, or use wet clean-up techniques and place recovered product in a closable container. Do not dry sweep lead-containing dusts.

7. Handling and storage

Handling

Use adequate localized ventilation for all handling operations. Use respirators equipped with dust, fume, and mist H.E.P.A. filter cartridges during all handling operations. Rubber gloves recommended. Protect eyes from dust particles, use safety glasses or goggles. Take necessary steps to avoid the contamination of footwear worn away from the work place. Keep away from food and food products. Wash hands after use.

Storage

Product has unlimited shelf life. Store in closed containers. Empty containers should not be reused except for similar glass paints and should be disposed of in accordance with regulations. No special requirements for storerooms. For manufacturing use only.

8. Exposure controls / personal protection

Use adequate localized ventilation for all handling operations. Use respirators equipped with dust, fume, and mist H.E.P.A. filter cartridges during all handling operations. Rubber gloves recommended. Protect eyes from dust particles, use safety glasses or goggles. Take necessary steps to avoid the contamination of footwear worn away from the work place. Keep away from food and food products. Wash hands after use.

Do not allow undiluted product or large quantities of it to reach ground water, surface water or sewage system.

9. Physical and chemical properties

General information

Form: powder
Color: brown
Odor: odorless

Important health, safety and environmental information

Boiling point: not applicable
Flame point: not applicable
Flash point: not applicable
Lower explosion limit: not applicable
Upper explosion limit: not applicable
Specific gravity (H₂O = 1): approx. 3.5
Water solubility: insoluble
pH: not applicable
Viscosity: not applicable
Vapor pressure (mm Hg): not applicable
Vapor density (air = 1): not applicable
Percent volatile by volume (%): 0
Evaporation rate (BuAc = 1): not applicable

Other information

Melting point: approx. 630°C

10. Stability and reactivity

Stable. Hazardous polymerization will not occur.

Conditions to avoid – not applicable

Materials to avoid – not applicable

Hazardous decomposition products – not applicable

11. Toxicological information

Acute effects:

Irritant effect on the skin: no irritant effect known.

Irritant effect on the eye: no irritant effect known.

Sensitization: No sensitizing effects known.

Repeated and prolonged exposure to lead may cause delayed effects involving the blood, gastrointestinal, nervous and reproductive systems. Lead and lead compounds are known to the State of California to cause birth defects or reproductive harm.

Repeated and prolonged exposure to cadmium compounds may cause delayed effects involving the respiratory and renal systems.

Silica, crystalline (particles of respirable size), if listed as a component, are known to the State of California to cause cancer.

12. Ecological information

Product is expected to be very toxic for fish.

Product is expected to be poisonous for fish and plankton in water bodies.

Product is expected to be very toxic for aquatic organisms.

13. Instructions for disposal

Dispose of in accordance with regulations.

14. Transport information

Harmonized system code: 320710 (Prepared Pigments, Prepared Opacifiers, Prepared Colors, Similar Preparations)

- **Land transport ADR/RID (cross-border)**



ADR/RID class: 6.1 (T5) Toxic substance

Kemler number: 60

UN-Number: 3288

Packing group: III

Hazard label: 6.1

Limited quantities (LQ): LQ9

Description of goods: 3288 TOXIC SOLID, INORGANIC, N.O.S.

- **Sea transport IMDG**



IMDG Class: 6.1

UN-Number: 3288

Label: 6.1

Packaging group: III

Marine pollutant: no

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S.

- **Air transport ICAO-TI and IATA-DGR**



ICAO/IATA Class: 6.1

UN-Number: 3288

Label: 6.1

Packaging group: III

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S.

15. Regulatory information



T Toxic

Risk phrases:

R 20/22: Harmful by inhalation and if swallowed.
R 33: Danger of cumulative effects.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 61: May cause harm to the unborn child.
R 62: Possible risk of impaired fertility.

Safety phrases:

S 22: Do not breathe dust.
S 36/37: Wear suitable protective clothing and gloves.
S 45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S 53: Avoid exposure - obtain special instructions before use. Restricted to professional users.
S 60: This material and its container must be disposed of as hazardous waste.
S 61: Avoid release to the environment. Refer to special instructions / safety data sheets.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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