

Safety Data Sheet
According to 1907/2006/EC, Article 31

Revision: 10 December 2011

1. Identification of the material and the company

1.1 Identification of the material

Transparent Blue

1.2 Use of the material

Glass paint

1.3 Supplier

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

1.4 Emergency telephone

Emergency: 112

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

(ma-vr, 9.00 – 16.00 uur)

Fax: +31(0)79 361 8493

email: mail@peliglass.eu

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, %
Lead compounds	54 – 58

Other components:

Glass (CAS# 65997-17-3)

Pigments: Cobalt (Co), Aluminum (Al)

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: Call a physician. Do not give milk or fatty oils. May induce stomach or intestinal discomfort.

Wash contaminated clothing prior to reuse.

5. Fire fighting measures

Appropriate fire-fighting equipment: CO₂, powder or water. Larger fires with water spray.

Extinguishing media which are unsuitable: powerful water jet.

Special hazards: In case of fire or heat the formation of toxic gases is possible.

Special protective equipment: Breathing apparatus.

Further information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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. Do not allow materials to come in contact with sewage/surface water/ground water.

7. Handling and storage

Handling

Avoid dust formation. 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: blue

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: weak alkaline

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. >520°C

10. Stability and reactivity

Stable. Hazardous polymerization will not occur.

Conditions to avoid – To avoid thermal decomposition do not overheat. No decomposition if used and stored according to specifications. Stable to melting point.

Materials to avoid – not applicable

Hazardous decomposition products – lead oxide vapor.

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.

Subacute to chronic toxicity: Lead pigments are barely soluble lead compounds. Hydrochloric acid, concentrated stomach fluids may loosen lead pieces that can accumulate in the organism.

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.

Additional toxicological information: The product is based on the calculation method of the General Classification Guidelines for Preparations as issued in the latest version of following hazards: Harmful Suspected of causing deformities (reproductive toxicity).

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.

Product contains substances which are hazardous to the environment.

Water hazard class (NL) 10: Can cause long term adverse effects.

Do not allow product to reach ground water, surface water sewage system.

13. Instructions for disposal

Dispose of in accordance with regulations.

Do not combine with household garbage or dispose through sewage system. Subject to the provisions concerning special waste after pretreatment with a specially authorized landfill for special waste delivered.

Waste disposal key number: 55515

Uncleaned packaging: Disposal according to official regulations.

Waste disposal key number: 18715

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: 2291

Packing group: III

Hazard label: 6.1

Limited quantities (LQ): LQ9

Description of goods: 2291 LEAD COMPOUND, SOLUBLE, N.O.S.

- **Sea transport IMDG**



IMDG Class: 6.1

UN-Number: 2291
Label: 6.1
Packaging group: III
Marine pollutant: no
Proper shipping name: LEAD COMPOUND, SOLUBLE, N.O.S.

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



ICAO/IATA Class: 6.1
UN-Number: 2291
Label: 6.1
Packaging group: III
Proper shipping name: LEAD COMPOUND, SOLUBLE, 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.

Special designation: Contains lead. Should not be used on surfaces that children can chew or that their mouths may come into contact.

Information about limitation of use: Restrictions concerning pregnant and lactating women.

Water hazard: Class III, 55.6%

Water hazard class: Water hazard class (NL) 10: Sanitizing effort A.

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.

Risk phrases:

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