

Safety Declaration for SGG MIRALITE-PURE®

Significant Environmental Effects of the SGG MIRALITE-PURE® Production

The SAINT-GOBAIN GLASS product SGG MIRALITE-PURE® is a mirror with a hard-wearing coating. SGG MIRALITE-PURE® has been designed for interior building applications, for example as decoration for walls or furniture, and is sold in pane form. The mirror is non-toxic and is chemically inert under normal environmental conditions. Thanks to the use of lead-free paints, the new production method for SGG MIRALITE-PURE® is environmentally compatible in terms of both processing and product recycling.

None of the following substances are used in the production of the glass for SGG MIRALITE-PURE®:

- Lead (Pb)
- Cadmium (Cd)
- Mercury (Hg)
- Bromine (Br)
- Dibutylphthalate
- Chlorinated hydrocarbons
- Nonyl phenol ethoxylates
- Octyl phenol ethoxylates
- Tin-organic compounds

Also none of the following substances declared in the REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants are used:

Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Chlordecone
Tetrabromodiphenyl ether C12H6Br4O	Aldrin
Pentabromodiphenyl ether C12H5Br5O	Pentachlorobenzene
Hexabromodiphenyl ether C12H4Br6O	Polychlorinated Biphenyls (PCB)
Heptabromodiphenyl ether C12H3Br7O	Mirex
Bis(pentabromophenyl)ether (decaBDE)	Toxaphene
Perfluorooctane sulfonic acid and its derivatives (PFOS) C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)	Hexabromobiphenyl
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	Hexabromocyclododecane
Chlordane	Hexachlorobutadiene



Hexachlorocyclohexanes, including lindane	Pentachlorophenol and its salts and esters
Dieldrin	Polychlorinated naphthalenes
Endrin	Alkanes C10-C13, chloro (short-chain chlorinated)
Heptachlor	Polychlorinated dibenzo-p-dioxins and dibenzofu
Endosulfan	Polycyclic aromatic hydrocarbons (PAHs)
Hexachlorobenzene	

Following the “RoHS” Directive 2011/65/EU of the European Parliament, the European Council of June 08th 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment,

SAINT-GOBAIN GLASS Deutschland GmbH

declares that the product contains concentrations lower than the maximum concentration value of

- 0,1 % by weight in homogeneous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) and
- 0,01 % by weight in homogeneous materials for cadmium.

Following the “ELV” Directive 2000/53/EC of the European Parliament and of the European Council of September 18th 2000 on end-of-life vehicles, as amended by the Council Decision of September 20th 2005 (decision 2005/673/EC),

SAINT-GOBAIN GLASS Deutschland GmbH

declares that the product contains concentrations lower than the maximum concentration value of

- 0,1 % by weight and per homogeneous materials for lead, mercury, hexavalent chromium and
- 0,01 % by weight and per homogeneous materials for cadmium.

Also following the Decision 2009/251/EG and the Directive 76/768/EWG

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declares that the product contains concentrations lower than the maximum content value of 0,1 mg Dimethylfumarate per kg of the product and that the product is free from Cobalt dichloride.

Like glass, SGG MIRALITE-PURE® is ideal recycling material and should be sent to specialist companies for pane glass recycling as far as possible. Fragments that are too small to be sorted out can usually be disposed of as inert building rubble.


Safety recommendation when dealing with mirrors:

SGG MIRALITE-PURE® panels are non-toxic and chemically inert under normal environmental conditions. When SGG MIRALITE-PURE® is drilled or ground, grinding debris is produced in combination with coolants, and must be treated and disposed of according to the valid regulations. Since the coating is also removed, the grinding debris can contain small amounts of tin, palladium and silver in addition to the usual glass components.

If they are not processed, the glass edges can be very sharp. Like any other glass, SGG MIRALITE-PURE® can break during handling.

For this reason, we recommend the following precautionary measures during processing:

- ⇒ When handling individual panes, cut-resistant gloves with artery protection should always be worn.
- ⇒ Protective goggles must always be worn when splintering is to be expected during handling or processing, e.g. on account of external influences.
- ⇒ A protective helmet must be worn when panes reach or exceed head height on account of their size, transport or processing.
- ⇒ During glass processing, new hazards can occur that are typical for the methods and measures applied. In these cases, the specifications prescribed by the employers' liability associations and legal regulations must be heeded.



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