



# SAFETY DATA SHEET



[akgsurfaces.co.uk](http://akgsurfaces.co.uk)

# PRODUCT / COMPANY INFORMATION

|                |                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------|
| Product Name   | : AKG Surfaces / Sempre                                                                                        |
| Areas of Usage | : Sempre designed for flooring, cladding, kitchen-bathroom countertops, stairs and other similar applications. |
| Company Name   | : AKG TRADING (UK) LTD.                                                                                        |
| Address        | : Monarch Courtyard, Unit 12 Salthouse Road, Brackmills Northampton, NN4 7BD UK                                |
| Phone          | : +44 1604 768049                                                                                              |
| Web            | : <a href="http://www.akgsurfaces.co.uk">www.akgsurfaces.co.uk</a>                                             |
| Contact Mail   | : <a href="mailto:sales@akgsurfaces.co.uk">sales@akgsurfaces.co.uk</a>                                         |

## HAZARD DEFINITIONS

Sempre finished products are not harmful to health. However, crystalline silica powder (SiO<sub>2</sub>), which occurs in manufacturing and / or installation operations (such as cutting, grinding and polishing), can pose a health risk.\* On respiratory system and lungs due to prolonged and repeated inhalation.



H372 Causes damage to respiratory system and organs through prolonged or repeated exposure \*through inhalation

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash your hands after use.

P270 Do not eat, drink or smoke when using this product.

P284 Wear respiratory protective equipment.



P314 Get medical advice/attention if you feel unwell.

P501 Dispose according to the relevant local regulations.

## COMPOSITION INFORMATION

| Raw Material                  | CAS #      | By Weight (%) |
|-------------------------------|------------|---------------|
| Crystalline silica and quartz | 14808-60-7 | 70-93         |
| Cristobalite                  | 14464-46-1 | 70            |
| Polyester resin               | N/A        | 7-15          |
| Soda-lime glass               | N/A        | 0-17          |
| Other additives*              | N/A        | ≤ 5           |
| Titanium dioxide              | 13463-67-7 | ≤ 5           |
| Inorganic pigments            | N/A        | ≤ 5           |

\*: Special formulation compounds which are used for bonding, accelerating and hardening during the manufacturing process of Sempre. These special formula components are used when producing Sempre products.

# FIRST AID MEASURES

This section mentions the measures that can be taken for crystalline silica powder ( $\text{SiO}_2$ ), which occurs in manufacturing and / or installations operations (such as cutting, grinding and polishing).

**Inhalation:** Take the person to fresh air. If breathing is difficult, resort to oxygen uptake. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

**Contact with skin:** Wash the contacted area. There is no risk of skin contact.

**Contact with eyes:** Immediately wash the eye thoroughly with water. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting. If conscious, have the victim drink plenty of water and call a doctor if discomfort is experienced.

# FIRE FIGHTING MEASURES

**Fire Resistance Category:** Bfl, s1

**Extinguishing Media:** Water, Dry Chemical,  $\text{CO}_2$  and Foam

**Fire Fighting Procedures:** Keep personnel away and upwind of fire. Use protective equipment specially manufactured for fire.

# ACCIDENTAL RELEASE MEASURES

There is no release of exposures. However, dust and other components occurring during the manufacturing and installations stages should be removed with suitable filtration methods.

# HANDLING AND STORAGE

**Safe Handling:** Sempre slabs do not need special measures for handling. However, gloves, safety shoes, helmet, safety glasses and equipment that comply with occupational safety and health regulations should be used for handling.

**Storage:** It should be stored safely in a suitable closed and surrounded environment. Product should not be exposed to impact directly.

# TOXICOLOGICAL INFORMATION

Sempre finished products are not harmful to health. However, crystalline silica powder ( $\text{SiO}_2$ ), which occurs in production and / or assembly operations (such as cutting, grinding and polishing), can pose a health risk.

**Emergency call:** 999 National Poison Information Service

# STABILITY AND REACTIVITY

**Chemical Stability:** Sempre products are chemically stable at room temperature and storage conditions.

**Hazardous Decomposition Products:** Low hydrocarbon emissions may occur when exposed to temperatures of  $150^\circ\text{C}$  and above. Fume and dust may occur.

# EXPOSURE CONTROLS/ PERSONAL PROTECTION

Sempre finished products are not harmful to health. However, crystalline silica powder ( $\text{SiO}_2$ ), which occurs in manufacturing and / or installation operations (such as cutting, grinding and polishing), can pose a health risk. The resulting dust should not exceed personal exposure limits according to the relevant legislation. Dusts that may occur in the working environment should be removed with suitable HEPA filters. When processing the products, equipment that can provide measures to reduce dust output should be used. Cutting should be done via machinery and tools involving the use of water.

## Permissible Exposure Limit

Personal exposure limits are given in local legislation R.G 05.11.2013:28812 (Anti-dust regulation) which is prepared according to the OSHA 1910.1000 standard. For the other countries local regulations should be checked.

## Personal Protection

**Respiratory protection:** Appropriate equipment should be used according to EN 143: 2000+ AC: 2002 standard

**Eye/Face Protection:** Appropriate equipment should be used according to EN 166: 2001 and OSHA 1910.133 standards.

**Skin Protection:** Appropriate equipment should be used according to the EN388: 2003 standard.

| Exposure Limits                                                                            | TWA, Time-weighted average                     |
|--------------------------------------------------------------------------------------------|------------------------------------------------|
| Quartz (Respirable)                                                                        | $10 \text{ mg/m}^3 \div (\% \text{SiO}_2 + 2)$ |
| Quartz (Total)                                                                             | $30 \text{ mg/m}^3 \div (\% \text{SiO}_2 + 2)$ |
| <b>Cristobalite:</b> $\frac{1}{2}$ of the quartz value calculated with the formula is used |                                                |
| <b>Tridymite:</b> $\frac{1}{2}$ of the quartz value calculated with the formula is used    |                                                |

# PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Physical Appearance                   | Solid                              |
| Appearance                            | Colored engineered stone           |
| Odor                                  | Odorless                           |
| pH                                    | Not applicable                     |
| Apparent Density                      | $2.27\text{--}2.40 \text{ g/cm}^3$ |
| Water Solubility                      | Not soluble                        |
| Melting / Boiling Point               | Not applicable                     |
| Vapor Pressure                        | Not applicable                     |
| % Volatiles                           | Not applicable                     |
| Viscosity                             | Not applicable                     |
| Flash Point                           | Not applicable                     |
| Flammable Limits in Air (% by Volume) | Not applicable                     |
| Auto-ignition Temperature             | Not applicable                     |
| Decomposition Temperature             | Not applicable                     |

# E C O L O G I C A L I N F O R M A T I O N

Sempre products do not harm the environment. Sempre products have GREENGUARD GOLD certificate since they do not have volatile organic compound emissions to the environment.

# D I S P O S A L C O N S I D E R A T I O N S

Sempre products do not harm the environment. Sempre products have GREENGUARD GOLD certificate since they do not have volatile organic compound emissions to the environment.

# LEGISLATION INFORMATION

This document has been prepared according to R.G.13.12.2014: 29204 regulation.

# TRANSPORTATION INFORMATION

Sempre product is not classified as dangerous according to aerial, land and sea transport regulations.

|                                           |                |
|-------------------------------------------|----------------|
| Road and rail (ADR/RID) /IMO/ICAO /US DOT | Not restricted |
| Sea transport IMDG/IMO                    | Not restricted |
| Air transport ICAO/IATA                   | Not restricted |

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: The Regulation concerning the International Carriage of Dangerous Goods by Rail

IMO: International Maritime Organization

ICAO: International Civil Aviation Organization

US DOT: United States Department of Transportation

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

# OTHER INFORMATION

For more information, please visit our website “[www.akgsurfaces.co.uk](http://www.akgsurfaces.co.uk)”



# SAFETY DATA SHEET

[akgsurfaces.co.uk](http://akgsurfaces.co.uk)



**AKG TRADING (UK) LTD.**

Monarch Courtyard, Unit 12  
Salthouse Road, Brackmills  
Northampton, NN4 7BD UK

[sales@akgsurfaces.co.uk](mailto:sales@akgsurfaces.co.uk)  
+44 1604 768049