

## Section 1. Product and Company Identification

**Product Name:** POLARSTONE® Engineered Surfaces  
**Restrictions on Use:** Surfacing Applications for recommended applications  
**Manufacturer/Supplier:** PT. ROLLS STONE INDONESIA  
 Jl. Jawa 14 Blok A.06, Sbu (Strategy Business Unit), Kawasan Cakung Kbn (Kawasan Berikat Nusantara), Sukapura, Cilincing, Kota Adm. Jakarta Utara, Dki Jakarta 14140 Indonesia

**For product inquiry:** [info@polarstone.co.id](mailto:info@polarstone.co.id)

## Section 2. Hazards Identification

**Classification:** As shipped, non-hazardous artificial stone surfacing product  
**Hazard Warnings:** Exposure limits may be applicable when cutting or grinding product creating dust, which can contain particles of silica (quartz particles). Overexposure to airborne quartz particles can cause silicosis.  
**Signal Word:** Danger: Do not breathe dust (S22). Wear suitable respiratory equipment when ventilation is insufficient (S38)  
**Risk Phrase:** Danger of serious health damage by prolonged exposure through inhalation. (R 20/48)

## Section 3. Composition/Information on Ingredients

Ingredient	CAS#	Percent
Quartz particles & quartz powder	14808-60-7	>80%
Non Regulated Ingredients	Mixture	<20%

## Section 4. First Aid Measures

First aid measures are not required when exposed to slabs of material. Always seek Medical assistance if necessary. In situations of exposure to particulates when cutting, grinding, etc., the slabs, the following measures are recommended:

**Inhalation:** Move individual to fresh air, seek medical assistance if individual experiences breathing difficulty.

**Skin Contact:** Wash exposed areas with soap and water.

**Eye Contact:** Flush eyes with water for at least 5 minutes. Do not rub eye. Seek Medical attention if individual experiences irritation after eye flushing.

**Ingestion:** Material is non- hazardous.

<b>Important:</b>	Symptoms of silicosis include coughing, wheezing, difficulty breathing and progressive impairment of lungs function
<b>Protection of First-aiders:</b>	No applicable data available
<b>Physicians:</b>	No applicable data available

## Section 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	The product itself does not burn. Use extinguishing measures that are appropriate to local situation and circumstances.
<b>Unsuitable Extinguishing Media:</b>	No applicable data available.
<b>Specific Hazards:</b>	No applicable data available.
<b>Special Protective Equipment</b>	Wear self-contained breathing apparatus for firefighting if necessary

## Section 6. Accidental Release Measures

Finished product does not contain hazardous substances. There are no Environmental precautions for handling an accidental release. See Section 7 for Handling procedures.

## Section 7. Storage and Handling

<b>Storage:</b>	Material does not require special storage instructions . It is recommended material be stored in an area protected from the environment.
<b>Handling:</b>	Wear appropriate safety hand protection and foot wear.

## Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	Provide appropriate exhaust ventilation at places where dust is created.
<b>Exposure Limit Values:</b>	Not appropriate for material as shipped from manufacturer. When cutting or grinding for example, workers should seek from their employer appropriate personnel protective equipment as required by the work environment conditions and equipment.

### Personal Protective Equipment (PPE)

<b>Eye/Face protection:</b>	Wear appropriate safety glasses with side shields
<b>Hand Protection:</b>	For additional protection, wear protective gloves.
<b>Respiratory Protection:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Protection:</b>	Dusk masks do not provide suitable respiratory protection. Foot safety shoes are recommended when handling material.

## Section 9. Physical and Chemical Properties

- a. Appearance - Multicolored solid stone- like surface.
- b. Odor - None
- c. Odor Threshold - No applicable data available
- d. pH - No applicable data available
- e. Melting point/range - No applicable data available
- f. Boiling point/range - No applicable data available
- g. Flash point - Does not Flash
- h. Evaporation rate - No applicable data available
- i. Flammability (solid, gas) - May form combustible dust concentrations in air
- j. Upper/Lower explosion limits - No applicable data available
- k. Vapor Pressure - No applicable data available
- l. Vapor density - Vapor Pressure
- m. Relative density - 2.2 - 2.4 g/cm<sup>3</sup>
- n. Solubility - No applicable data available
- o. Partition Coefficient: n-octanol/water - No applicable data available
- p. Auto-ignition temperature - No applicable data available
- q. Decomposition temperature - No applicable data available
- r. Viscosity - No applicable data available

## Section 10. Stability and Reactivity

<b>Reactivity:</b>	No applicable data available Chemical
<b>Stability:</b>	No applicable data available
<b>Possibility of Hazardous reactions:</b>	None foreseen Conditions
<b>To avoid:</b>	None foreseen
<b>Incompatible materials</b>	No applicable data available
<b>Hazardous decomposition products:</b>	No decomposition occurs if used as directed.

## Section 11. Toxicological Information

Frit particles - Silicosis caused by the inhalation and retention in the lungs of respirable Frit particles dust.

Carcinogenicity for Silica:

National Toxicity Program - "known to be a carcinogen"

IARC (International Agency for Research on Cancer) - Group 1 (carcinogenic to humans) OSHA

(Occupational Safety and Health Administration) - regulates as carcinogen

## Section 12. Ecological information

This product has no known ecotoxicological effects.

## Section 13. Disposal Considerations



# Material Safety Data Sheet

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Waste disposal methods should follow local regulations.

## Section 14. Transport Information

This product is not regulated as dangerous under transport regulations.

## Section 15. Regulatory Information

The finished product is not regulated.

## Section 16. Other Information

The information provided in the Material Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of publication.

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