

SAFETY DATA SHEET

according to EC- directive 91/155/EC



Product Trade Name: STERIBIM

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Version 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier
Product Name STERIBIM - Germicidal polishing compound for dental applications

Details of the supplier of the safety data sheet
Supplier Metrodent Limited
Lowergate Works, Lowergate
Paddock, Huddersfield
United Kingdom
+44 1484 461616
sales@metrodent.com

Emergency contacts
Office Hours Metrodent Limited
+44 1484 461616

Recommended intended purpose(s)
Dental

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture - Crystalline Silica / SiO₂ H373 Stot RE2
Label Elements



GH508 H373 – STOT RE2

Signal Word: WARNING

Hazard statements

H305 May be harmful if swallowed and enters airways

H320 Can cause irritation to eyes

H315 Can cause irritation to skin

H335 This product can cause mild irritation of the respiratory system.

H373 Long-term exposure may cause permanent damage

STOT RE2

Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection

P305 IF IN EYES: Rinse eyes immediately – provide eye wash station

P4024403: Store in a cool, dry well ventilated place

Supplementary precautions

This product may contain respirable crystalline silica

Avoid forming dust

Avoid direct contact with skin

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	EINECS No	Cas NO	Classification EC 1272/2008
Pumice (Amorphous metal silicates) >90%	310-127-6	1332—09-8	Not Classified
Crystalline Silica, SiO ₂ (Quartz) <10%	238-878-4	14808-60-7	Stot RE 2-H373

Overview Pumice is an odourless white or greyish-white material that ranges from pebble to a granular powder. Contact can cause irritation to eyes, skin, respiratory system, and gastrointestinal tract.

Environmental Effects: Pumice is an inert material

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with generous amounts of water or eye wash solution if water is unavailable. Pull back eyelid while flushing to ensure that all dust has been washed out. Seek medical attention promptly if the initial flushing of the eyes does not remove the irritant. Do not rub eyes.

Skin: Brush off or remove as much dry dust as possible. Wash exposed area with large amounts of water. If irritation persists, seek medical attention promptly.

Inhalation: Move victim to fresh air. Seek medical attention. If breathing has stopped, give artificial respiration.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

5. FIRE-FIGHTING MEASURES

Extinguishing Media - Use extinguishing media appropriate for surrounding fire.

Fire Fighting Instruction - Keep personnel away from and upwind of fire. Avoid skin contact or inhalation of dust. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Special Hazards arising from the substance or mixture

Hazardous Combustion Products: None

Advice for firefighters: None

6. Accidental release measures

Use proper protective equipment

Small spills - Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Store collected materials in dry, sealed plastic or non-aluminium metal containers. Residue on surfaces may be water washed.

Large spills - Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure. Store spilled materials in dry, sealed plastic or non-aluminium metal containers.

Environmental precautions - Minimize dust generation and prevent bulk release to sewers or waterways.

Methods for cleaning up - Residual amounts of material can be flushed with large amounts of water. Equipment can be washed with either a mild vinegar and water solution, or detergent and water.

7. Handling and storage

Precautions for safe handling Avoid forming dust. Keep in tightly closed plastic or metal containers.

Protect container from physical damage. Avoid direct skin contact with the material.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, and well-ventilated location.

Specific end uses

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8. Exposure controls/personal protection

Ingredient - Pumice (Amorphous metal silicates)
CAS - 1332-09-8 15
OSHA PEL, TWA 8/40h (mg/m3) - 15 (total dust), 5 (respirable)
ACGIH TLV, TWA 8/40h (mg/m3) - 10
NIOSH REL, TWA 8/40h (mg/m3) - 10 (total dust), 5 (respirable)
NIOSH IDLH (mg/m3) - NA
Conc. () - >90

Ingredient - Crystalline Silica, SiO₂ (Quartz)
CAS - 14808-60-7
OSHA PEL, TWA 8/40h (mg/m3) - 10/SiO₂% + 2 (respirable)
ACGIH TLV, TWA 8/40h (mg/m3) - 0.025 (respirable)
NIOSH REL, TWA 8/40h (mg/m3) - 0.5 (respirable)
NIOSH IDLH (mg/m3) - 50
Conc. () - <10%

Engineering Controls: Provide ventilation adequate to maintain PELs.

Respiratory Protection: Use NIOSH/MSHA approved respirators if airborne concentration exceeds PELs

Skin Protection: Use appropriate gloves and footwear to prevent skin contact and the potential for irritation. Clothing should fully cover arms and legs.

Eye Protection: Use safety glasses with side shields or safety goggles. Contact lenses should not be worn when working in dusty environment.

Eye wash fountain/stations and emergency showers should be available.

9. Physical and chemical properties

Physical state (appearance)	White or greyish-white lumps or powder
Odour	Odourless
Colour	White or greyish
Solubility in water	Negligible solubility in water
Physical State:	Solid
Boiling Point (°C/°F)	NA
Melting Point (°C/°F)	NA
Specific Gravity	2.4
Vapour Pressure (mm Hg)	NA
Vapour Density	NA
Evaporation Rate	NA
pH (25°C/77°F)	8-10
Oxidizing	NA

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10. Stability and reactivity

Reactivity - Not determined

Chemical Stability – Chemically stable

Possibility of hazardous reactions – Not determined

Conditions to avoid – Pumice should not be mixed or stored with the following materials, due to the potential for vigorous reaction and release of heat:

Hydrofluoric Acid

Incompatible materials - Hydrofluoric Acid

Hazardous decomposition products - None

11. Toxicological information

An LD50 of 6450mg/kg (Rat, oral) has been identified for this product. Pumice is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain crystalline silica, which has been classified by IARC as carcinogenic to humans when inhaled in the form of quartz or cristobalite.

12. Ecological information

Toxicity – Because of its unreactive nature, it would not be expected to produce ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Persistence & degradability – Not determined

Bioaccumulative potential - Environmental Fate: This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in soil – Not determined

Results of PBT & vPvB assessment – Not determined

Other adverse effects – Not determined

13. Disposal considerations

Waste treatment methods

Dispose of in accordance with all applicable local environmental regulations.

14. Transport information

UN Number - NA

UN proper shipping name - NA

Transport hazard class - NA

Packing Group - NA

Environmental hazard - NA

Special precautions – NA

Pumice is not classified as a hazardous material and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport

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15. Regulatory information

Safety, health & environmental regulations/legislation specific for the substance or mixture

EU Reach: Pumice is a natural mineral and thus is explicitly exempted from regulation and evaluation.

OSHA/MSHA Regulations: Air contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): 5mg/M³ TWA-8

MSHA: not listed

OSHA Specifically Regulated Substance (29 CFR 1910): not listed

Chemical Safety Assessment - A chemical safety assessment has not been carried out on this product

16. Other information

Full text of H statements referred to in this SDS

H305 May be harmful if swallowed and enters airways

H320 Can cause irritation to eyes

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