



SAFETY DATA SHEET
Regulation (EC) No 1907/2006

(Revision: 10/31/18)

Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Identifier:

Product Type: Silica

Trade Names: Dazzle PS

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Polishing Compounds for dental appliances.

Uses Advised Against: For professional use only.

1.3 Details of the Supplier of the Substance or Mixture:

Manufacturer:

Whip Mix Corporation

361 Farmington Avenue

Louisville, Kentucky, USA 40209

Emergency Telephone Number: (502) 634-1451

Fax Number: (502) 634-4512

EU Importer

Whip Mix Europe GmbH

Wißstrasse 26 – 28

D – 44137 Dortmund

Germany

+49 (0) 231 / 567 70 8-0

1.4 Emergency Telephone Number:

Transportation Emergencies: *CHEMTREC 1(800) 424-9300 (U.S. and Canada)*

International Calls: 1- 703-527-3887 (Collect calls accepted)

Other Product Information: www.whipmix.com

Section 2 Hazard Identification.

2.1 Classification of the Substance or Mixture:

CLP/GHS Classification (1272/2008):

Health Hazards	Physical Hazards	Environmental Hazards
Specific Target Organ Toxicity – Repeat Exposure Category 1 (H372)	Not Hazardous	Not Hazardous

2.2 Label Elements

Danger!



Contains Crystalline Silica, Cristobalite

H372 Causes damage to lungs through prolonged or repeated exposure by inhalation.

P260 Do not breathe dust.

P264 Wash thoroughly after handling.

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

P314 Get medical attention if you feel unwell.

P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None

Section 3 Composition/Information on Ingredients.

3.2 Mixture:

<u>Substance</u>	<u>CAS No. / EC Number</u>	<u>%</u>	<u>CLP/GHS Classification (1272/2008)</u>
Diatomaceous Earth	68855-54-9 / 272-489-0	0-100	Not hazardous
Crystalline Silica, Cristobalite	14464-46-1/ 238-455-4	35-50	STOT RE 1 (H372)

See Section 16 for full text of GHS Classifications.

Section 4 First-Aid Measures.

4.1 Description of First Aid Measures:

Inhalation: Remove exposed person to fresh air. If irritation or other symptoms persist, get medical attention.

Eyes: Flush with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: No first aid is generally required. Wash skin with soap and water.

Ingestion: May cause gastrointestinal discomfort. If swallowed, drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if large amount is swallowed and symptoms develop.

4.2 Most Important symptoms and effects, both acute and delayed: May cause mechanical eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis), and may cause damage to the kidneys and immune system.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not required.

Section 5 Fire-Fighting Measures.

5.1 Extinguishing Media: Use media appropriate for surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture: The product does not burn.

5.3 Advice for Fire-Fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

Section 6 Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8.

6.2 Environmental Precautions: Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning Up: Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7 Handling and Storage.

7.1 Precautions for Safe Handling: Avoid contact with eyes. Do not breathe dust. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Silica dust may be in the air without a visible dust cloud. Practice good housekeeping to prevent accumulation of dust in work areas. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials. Protect from physical damage.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Polishing Compounds for dental appliances.

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Diatomaceous Earth	0.3 mg/m ³ TWA German MAK (respirable aerosol) 1.2 mg/m ³ TWA Ireland OEL (respirable fraction)
Crystalline Silica Cristobalite	0.025 mg/m ³ TWA ACGIH TLV (respirable fraction) 0.05 mg/m ³ TWA Belgium OEL 0.1 mg/m ³ TWA Ireland OEL (respirable fraction)

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Measures

Respiratory protection: If the exposure limits are exceeded an approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Skin protection: For prolonged use or in dusty conditions, wear rubber gloves. Contact your glove supplier for selection assistance. In Europe follow EN 374.

Eye protection: Chemical safety goggles if needed to avoid eye contact. In Europe follow EN 166.

Other: Impervious clothing as needed to avoid contamination of personal clothing. In Europe follow EN 13034.

Section 9 Physical and Chemical Properties.

9.1 Information on basic Physical and Chemical Properties

Appearance: Light pink to white powder.

Odor: Odorless.

Odor threshold: Not applicable

Melting point/freezing point: >1300°C (>2372°F)

Flash point: Not applicable

Flammability (solid, gas): Not applicable

Flammable limits: LEL: Not applicable

Vapor pressure: Not applicable

Relative density: 2.3

Partition coefficient: n-octanol/water: Not available

Decomposition temperature: >1300°C (>2372°F)

Explosive Properties: Not applicable

pH: 10 (10% suspension)

Boiling point: Not applicable

Evaporation rate: Not applicable

UEL: Not applicable

Vapor density (air = 1): Not applicable

Solubility In Water: Insoluble- <1%

Auto-ignition temperature: Not applicable

Viscosity: Not applicable

Oxidizing Properties: Not applicable

9.2 Other Information: None available

Section 10 Stability and Reactivity.

10.1 Reactivity: None known.

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Avoid unintentional contact with water.

10.5 Incompatible materials: Avoid acids, caustic solutions, and oxidizing agents.

10.6 Hazardous decomposition products: Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride.

Section 11 Toxicological Information.

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: May cause mild eye irritation with redness and tearing.

Skin: Dust may cause irritation.

Ingestion: No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal blockage and discomfort.

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Chronic Health Effects: Excessive inhalation of respirable crystalline silica dust may cause may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Prolonged exposure may also cause damage to the kidneys and immune system.

Acute Toxicity Data:

Diatomaceous Earth: Oral rat LD50 > 2000 mg/kg; Inhalation rat LC50 > 2.6 mg/L/4 hr (maximum attainable concentration)

Crystalline Silica Cristobalite: No toxicity data available.

Skin corrosion/irritation: This product not expected to cause skin corrosion or irritation.

Eye damage/ irritation: This product is not expected to cause eye irritation or eye damage.

Respiratory Irritation: This product is not expected to cause respiratory irritation.

Respiratory Sensitization: This product is not expected to cause respiratory sensitization.

Skin Sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity: None of the components have been shown to cause mutagenicity activity.

Carcinogenicity: None of the components are classified as a carcinogen by the EU CLP regulations.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Specific Target Organ Toxicity:

Single Exposure: No data available.

Repeat Exposure: No data available.

Aspiration Hazard: This product is not classified as an aspiration hazard. None of the components of this product are aspiration hazards.

Section 12. Ecological Data.**12.1 Ecotoxicity:**

Diatomaceous Earth: 96 hr LC50 *Oncorhynchus mykiss* >100 mg/L, 48 hr LD50 *daphnia magna* >100 mg/L, 72 hr EC50 *Desmodesmus subspicatus* >100 mg/L

12.2 Persistence and degradability: Biodegradation is not applicable to inorganic substances.

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: Not required.

12.6 Other adverse effects: Not required.

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods: Dispose in accordance with all national and local regulations.

Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

14.6 Special precautions for User: Not applicable

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Section 15 Regulatory Information.

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

International Chemical Inventories

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

European Union: All the components in this product are listed on the EINECS inventory or exempt.

Korea: All of the components in this product are listed on the Korean Existing Chemicals List (KECL) or exempt.

New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the Taiwan National Existing Chemical Substance Inventory (NECSI)

15.2 Chemical safety assessment: None required.

16. Other Information.

SDS Revision History: Updated section 2, 3, 8, 9, 11, 12, and 15.

Date of last revision: February 9, 2015

CLP/GHS Classification and H Phrases for Reference (See Section 3)

STOT RE 1 Specific Target Organ Toxicity Repeat Exposure Category 1

H372 Causes damage to organs through prolonged or repeated exposure.

This SDS conforms to Regulation (EU) No. 1907/2006 and 2015/830.

This product has been classified in accordance with the applicable mixture rules.

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