

DM Healthcare Products, Inc.

Safety Data Sheet

SDS ID: H1280

Revised Date: 01/01/19
Replaces Date: 09/07/17

1. GENERAL INFORMATION

Product Code: H1280-XX
Product Name: H1280-XX where XX is the median particle size in microns
Recommended Use: Dental Materials Filler Glass
Restrictions: None identified

Company: DM Healthcare Products, Inc.
10080 Willow Creek Rd.
San Diego, CA 92131
Telephone: 858-348-1122

Emergency phone number (spill, leak, fire, exposure or accident):
US Domestic (800) 535-5053 (INFOTRAC) Includes Canada and Mexico
International +1 (352) 323-3500
China Specific (86) 400-120-0761
Germany Specific (49) 0800-181-2924
Australia Specific (61) 1-300-366-961

2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

May be harmful if swallowed, Oral (Category 1), H303
May cause skin irritation, H316
Eye Irritation (Category 2), H320
May cause respiratory irritation, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictogram



Signal word

WARNING

Hazard Statement(s)

H303 May be harmful if swallowed,
H316 May cause a skin irritation
H320 Causes eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P233 Keep container tightly closed
P235 Keep cool
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P262 Do not get in eyes, on skin or on clothing
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only in well ventilated area
P281 Use personal protective equipment as required
P301 +P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Rinse mouth.

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P330
P501

IF SWALLOWED: Rinse mouth. Do not induce vomiting.
Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS – none.

3. COMPOSITION INFORMATION

Substance

Component	Classification	Concentration
Silanated Dental Filler Glass	Harmful if swallowed, H303 Eye irritation, H320 Respiratory irritation, H335	>= 90 - <= ~ 100%
CAS # 65997-17-3		
EC # 266-046-0		

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

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5. FIREFIGHTING MEASURES

Extinguishing Media

Material is Noncombustible

Special hazards arising from the substance or mixture

No data available

Advice for firefighters

Fire fighters should wear NIOSH/MSHA approved pressure demand self-contained breathing apparatus. Decontaminate or discard any clothing that may contain chemical residues.

Further information

Do not enter fire area without proper protection. See Section 10, Reactivity Data, for decomposition products possible. Fight fire from safe distance and protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Water may be ineffective in firefighting due to low solubility. Use water spray/fog for cooling. Pressure relief system may plug with solids, increasing risk of overpressure.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Ensure adequate ventilation.
Evacuate personnel to safe areas.
For personal protection see Section 8.

Environmental precautions

Avoid runoff to waterways and sewers.

Methods and materials for containment and cleaning up

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Place into appropriate closed containers(s) for disposal in accordance with local, state and federal regulations.

Reference to other sections

For disposal see Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes and skin. Avoid inhalation of dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. For precautions see Section 2.2.

Conditions for safe storage, including any incompatibilities

Store at room temperature away from incompatible materials identified in the *Stability and Reactivity Section*.

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature. Special, local ventilation is recommended at points where vapors generated at high temperatures may be vented to the workplace air.

Specific end uses(s)+

Apart from the uses mentioned in Section 1.2

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8. Exposure Controls and Personal Protection Measures

Control Parameters

ITEM	ACGIH		OSHA	
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING
Glass ¹	10 mg/m ³	NE	15 mg/m ³	NE
Glass ²	5 mg/m ³	NE	5 mg/m ³	NE

Note 1: Particulates Not Otherwise Regulated – Total

Note 2: Particulates Not Otherwise Regulated – Respirable

Abbreviations can be found in Section 16

OSHA regulates this material as PNOR - Particulates Not Otherwise Regulated

Exposure Controls

ENGINEERING CONTROLS:

Use local ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

RESPIRATORY PROTECTION:

A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

EYE/FACE PROTECTION:

Depending on the use of this product safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

HAND/SKIN PROTECTION:

Avoid skin contact. Wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards. No special body protection is required under typical circumstances of use and handling.

GENERAL HYGIENE CONSIDERATIONS:

Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

9. Physical / Chemical Characteristics

APPEARANCE/COLOR:	White Powder
PHYSICAL STATE:	Powder
ODOR:	Faint odor in bulk.
ODOR THRESHOLD:	ND
pH:	ND
FREEZING POINT:	NA
BOILING POINT:	NA
FLASH POINT (closed cup):	NA

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EVAPORATION RATE (BuAc=1):	ND
FLAMMABLE LIMIT , AIR VOL% LOWER/ UPPER:	NA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
RELATIVE DENSITY:	NA
SPECIFIC GRAVITY (H ₂ O=1):	2.2-3.6
SOLUBILITY IN WATER:	Insoluble.
AUTOIGNITION TEMPERATURE:	NE
DECOMPOSITION TEMPERATURE:	NE
PERCENT VOLATILE W/W%:	NA

10. Reactivity Hazard Data

Stability:	UNSTABLE:	STABLE:	X
Conditions to Avoid:	Material is stable under ordinary conditions.		
Incompatible Materials	None Known		
Hazardous Decomposition Products:	NA		
Hazardous Polymerization:	May Occur:	Will Not Occur:	X
Possibility of Hazardous Reactions:	May Occur:	Will Not Occur:	X

11. Toxicological Information

Target Organs:	None Listed.
For Glass:	Refer to Section 2 for information.
Symptoms:	Refer to Section 2 for information.
Immediate/Delayed Effects:	Refer to Section 2 for information.
Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are extensive toxicological data available on the various components of this product. An adequate representation of all these data is beyond the scope of this document. If you need more information, please contact DMHPI at the telephone number found in Section 1.
Sensitization:	No data available.
Irritancy:	No data available.
Chronic Exposure:	
Carcinogenicity:	This product is not listed by IARC, NTP, OSHA, or ACGIH as carcinogens.
Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
Mutagenicity Data:	This product is not reported to produce mutagenic effects in humans.

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Name of Toxicologically Synergistic Products:

No data available.

12. Ecological Information

Aquatic Toxicity:

There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

Environmental Fate:

This inorganic product is expected to persist in the environment.

13. Disposal Considerations

Waste Disposal Method:

Dispose in a landfill or incinerate according to Federal, State, and Local regulations. Note fine powder glass (<100 microns) may not be disposed of in a municipal landfill without written approval from the facility accepting the waste.

Disposal of Empty Containers:

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material, associated with empty containers. It is our policy to discourage the reuse of empty containers and to dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

14. Transport Information

DOT (GROUND)

PROPER SHIPPING NAME: Not regulated.

TECHNICAL NAME: NA

DOT/UN CLASS: NA

NA/UN NUMBER: NA

PACKING GROUP: NA

DOT RQ: NA

15. Regulatory Information

United States:

OSHA: This material is considered Hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) as Particles Not Otherwise Regulated (PNOR).

TSCA Inventory Status: The components of this product are listed or are excluded from listing on the TSCA Inventory.

SARA Section 302: There are no specific Threshold Planning Quantities for this product.

SARA Section 311/312: Acute Health

SARA Section 313: NA

CERCLA Reportable Quantity (RQ): NA

State Regulatory Information: This product may contain components that are covered under specific state criteria.

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California Prop 65: NA

Canada:

DSL/NDSL: The components of this product are listed on the DSL.
WHMIS Hazard Class: Uncontrolled Product.
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. None of the components of this product are listed on the Priorities Substances List.

Europe:

EINECS: The components of this product are listed or exempt from listing in EINECS.

Candidate List: NA.

CSR Available: No.

HAZARD SYMBOLS: NA

RISK STATEMENTS: NA

SAFETY STATEMENTS: NA

16. Other Information

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

ABBREVIATIONS:

NA	Not Applicable	ND	Not Determined
NE	Not Established	CPR	Controlled Products Regulation
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals		
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

OSHA Occupational Safety and Health Administration

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ACGIH	American Conference of Governmental Industrial Hygienist
IARC	International Agency for Research for Cancer
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
NOEL	No Observed Effect Level
NOAEL	No Observed Adverse Effect Level

Full text of the H-Statements referred to under Sections 2 and 3

- H303 May be harmful if swallowed,
- H316 May cause a skin irritation
- H320 Causes eye irritation
- H335 May cause respiratory irritation

The opinions expressed herein are those of qualified experts within DM Healthcare Products, Inc. We believe that the information contained herein is current, as of the date of this MSDS. Because the use of this information and of these opinions, and the conditions of use of this product, are not within the control of DM Healthcare Products, Inc., it is the user's legal obligation to determine the conditions of safe use of this product.