

SAFETY DATA SHEETS

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SAFETY DATA SHEET

Issuing Date 28 May-2015

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

GHS product identifier

Product Name Porcelain Polishing Paste

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Professional Dental Porcelain Material

Uses advised against No information available

Supplier's details

Supplier Address

DenMat
1017 W. Central Ave.
Lompoc, CA 93436
TEL: 805-346-3700

Manufacturer Address

DenMat
1017 W. Central Ave.
Lompoc, CA 93436
TEL: 805-346-3700

Emergency telephone number

Emergency Telephone Number 805-346-3700

2. HAZARDS IDENTIFICATION

Classification

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word

Warning

Hazard Statements

- H320 Causes eye irritation



Appearance Clear

Physical State Liquid.

Odor Mint like

Precautionary Statements**Prevention**

- Wear eye/face protection.

General Advice

- None

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Prolonged or repeated skin contact may cause severe irritation.
17.2% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade secret |
|----------------|-------------|----------|--------------|
| Silica | 112945-52-5 | 1 - 5 | * |
| Glycerin | 56-81-5 | 10 - 20 | * |
| Aluminum oxide | 1344-28-1 | 50 - 60 | * |

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES**Description of necessary first-aid measures****General Advice**

If symptoms persist, call a physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists.

Skin Contact

Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation

Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately.

Ingestion

Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If feeling unwell, call a physician or Poison Control Center immediately.

Protection of First-aiders

Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Serious eye irritation or damage.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Wash thoroughly after handling. Refer to Section 8 for personal protective equipment.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for Cleaning Up Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

Incompatible Products Strong reducing agents. Metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------|--------------------|----------|------------|
| Glycerin 56-81-5 | TWA: 10 mg/m3 mist | - | |

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and Body Protection

Protective gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|----------------|-------|----------------|--------------------------|
| Physical State | paste | Appearance | Pale grey/green |
| Odor | None | Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|--|---------------------|--------------------------|
| pH | No data available | |
| Melting Point/Range | Not applicable. | |
| Boiling Point/ Range | Not applicable. | |
| Flash Point | Not applicable. | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limits in Air | | |
| upper flammability limit | No data available | |
| lower flammability limit | No data available | |
| Vapor Pressure | No data available | None known |
| Vapor Density | No data available | None known |
| Specific Gravity | 1.05-1.15 @ 25°C | |
| Water Solubility | Miscible with water | |
| Solubility in other solvents | Insoluble | |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | Thin gel | |
| Flammable Properties | Not flammable | |

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) Not applicable.

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong reducing agents. Metals.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|----------------------------|---|
| Product Information | Product is safe for its intended use based on the formulation, testing results, and the long history of safe consumer use. |
| Inhalation | Not an expected route of exposure. Inhalation of mist may cause irritation to the respiratory system. |
| Eye Contact | Not an expected route of exposure. Expected to be severely irritating or corrosive to eyes based on components present in formulation. |
| Skin Contact | Based on the ingredients present in the formulation, prolonged or repeated skin contact may be irritation, or severely irritating, to the skin. |
| Ingestion | Not expected to be toxic following ingestion. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|------------------------|---------------------|-----------------|
| Glycerin | = 11,700 mg/kg (Rat) | >2000 mg/kg (Rat) | - |
| | | | |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes.

Delayed and immediate effects and also chronic effects from short and long term exposure

| | |
|---------------------------------|---|
| Corrosivity | Causes serious eye irritation. Risk of serious damage to eyes. |
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredients above reportable quantities listed as a carcinogen. |
| Reproductive Toxicity | Not classified due to lack of data. |
| Developmental Toxicity | Not classified due to lack of data. |
| STOT - single exposure | None under normal use conditions. |
| STOT - repeated exposure | None under normal use conditions. |
| Chronic Toxicity | Avoid repeated exposure. Prolonged exposure may cause chronic effects. |
| Target Organ Effects | Eyes. Gastrointestinal tract (GI). Mucous membrane. |
| Aspiration Hazard | No information available. |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------------|-------------------|--|----------------------------|--|
| Glycerin 56-81-5 | - | LC50(Lepomis macrochirus, 96hr): 1516 mg/L LC50(Leuciscus idus, 96hr): 440-760 mg/L | - | EC50(Daphnia magna, 24 hr): 1535 mg/L |

Persistence and Degradability Readily biodegradeable

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION**DOT**

| | |
|---------------------------------|----------------------|
| UN-Number | N/A |
| Hazard Class | Not a dangerous good |
| Packing Group | |
| Description | |
| Emergency Response Guide Number | |

15. REGULATORY INFORMATION**International Inventories**

| | |
|-------|---------------------------------|
| TSCA | Complies |
| DSL | Substances comply or are exempt |
| ENCS | Substances comply or are exempt |
| IECSC | Substances comply or are exempt |
| KECL | Substances comply or are exempt |
| PICCS | Substances comply or are exempt |
| AICS | Substances comply or are exempt |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This material does not contain any substances regulated as pollutants pursuant to the clean Water Act (40 CFR122.21 and 40 CFR 122.42)

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

| 16. OTHER INFORMATION | | | | | |
|-----------------------|---------------|---|--------------|---|---------------------------------|
| <u>NFPA</u> | Health Hazard | 1 | Flammability | 0 | Instability 0 |
| <u>HMIS</u> | Health Hazard | 1 | Flammability | 0 | Physical Hazard 0 |
| | | | | | Physical and Chemical Hazards - |
| | | | | | Personal Protection X |

Revision Date 28-May-2015

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet