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
Porcelain Polishing Paste

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica</td>
<td>112945-52-5</td>
<td>1 - 5</td>
<td>*</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>10 - 20</td>
<td>*</td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>50 - 60</td>
<td>*</td>
</tr>
</tbody>
</table>

*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
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
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin 56-81-5</td>
<td>TWA: 10 mg/m3 mist</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

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

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 gastrointestinal irritation, nausea, vomiting and diarrhea.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>= 11,700 mg/kg (Rat)</td>
<td>&gt;2000 mg/kg (Rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

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. Prolonged exposure may cause chronic effects.

Target Organ Effects

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.

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

Persistence and Degradability
Readily biodegradable

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/NDSL - 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 CFR 122.21 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

<table>
<thead>
<tr>
<th>16. OTHER INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA</td>
</tr>
<tr>
<td>Health Hazard 1</td>
</tr>
<tr>
<td>Flammability 0</td>
</tr>
<tr>
<td>Instability 0</td>
</tr>
<tr>
<td>Physical and Chemical</td>
</tr>
<tr>
<td>Hazards</td>
</tr>
<tr>
<td>HMIS</td>
</tr>
<tr>
<td>Health Hazard 1</td>
</tr>
<tr>
<td>Flammability 0</td>
</tr>
<tr>
<td>Physical Hazard 0</td>
</tr>
<tr>
<td>Personal Protection X</td>
</tr>
</tbody>
</table>

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