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

GHS product identifier

Product Name  Precision Heavy Body, Medium Body, Lite Body and Extra Lite Body and Putty VPS impression materials

Other means of identification

Synonyms  None

Recommended use of the chemical and restrictions on use

Recommended Use  Professional Dental Material

Uses advised against  No information available

Supplier's details

Supplier 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**

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

**GHS Label elements, including precautionary statements**

None

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified polydimethyl siloxane</td>
<td>Proprietary</td>
<td>25-75</td>
</tr>
<tr>
<td>Platinum catalyst</td>
<td>proprietary</td>
<td>0.001 - 1</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Description of necessary first-aid measures**

- **Eye Contact**: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
- **Skin Contact**: Wash off with warm water and soap.
- **Inhalation**: Not Applicable
- **Ingestion**: Immediately rinse mouth well with water and drink plenty of water in small portions. Do not induce vomiting. If you feel unwell, seek medical advice.

**Most important symptoms/effects, acute and delayed**: None Expected

**Most Important Symptoms/Effects**: None Expected

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment; water, foam, carbon dioxide, dry powder.

**Unsuitable Extinguishing Media**: Water Jet.

**Specific Hazards Arising from the Chemical**: None

**Explosion Data**

- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

**Protective Equipment and Precautions for Firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight from a protected location or safe distance.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions  Not Required

Environmental Precautions

Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment  Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up  Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling  Ensure adequate ventilation. Avoid breathing vapors. Keep away from open flames, hot surfaces and sources of ignition. Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage  Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible Products  Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines  None. No associated substances with specific working place control parameters.

Appropriate engineering controls

Engineering Measures  Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection  Safety glasses with side-shields. Tightly fitting safety goggles.
Skin and Body Protection  Long sleeved clothing. Impervious 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  Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not Applicable</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</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></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.5 – 1.6 g/cm³ @ 20°C</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td><strong>Information on basic physical and chemical properties</strong></td>
<td></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 paste</td>
<td>High viscosity</td>
<td>None known</td>
</tr>
<tr>
<td>Flammable Properties</td>
<td>Slightly flammable, flammable at high temperature</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>&lt;1%</td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Reactivity**
No dangerous reaction known under conditions of normal use.

**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**
Ignitions sources - heat, sparks and open flames.

**Incompatible materials**
Reacts with acids, lyes, alcohols, metallic powder and metallic oxides realizing hydrogen.

**Hazardous decomposition products**
Releases hydrogen when exposed to temperatures in excess of 150° C.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May cause irritation of respiratory tract.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>May cause skin irritation and/or dermatitis.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Potential for aspiration if swallowed. Vomiting may aspirate into lungs and cause chemical pneumonia.</td>
</tr>
</tbody>
</table>

Acute Toxicity: LD50 (oral, 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

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen

Reproductive Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Eyes.

Aspiration Hazard

Based on product level data, this product does not meet the requirement to be classified as an aspiration hazard.

Numerical measures of toxicity - Product

Acute Toxicity

Not established

LD50 Oral

>500 mg/kg; Acute toxicity estimate

Inhalation

Not established

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

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

15. REGULATORY INFORMATION

International Inventories
TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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 product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Right-to-Know Regulations
None

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health Hazard 0 Flammability 0 Instability 0
HMIS Health Hazard 0 Flammability 0 Physical Hazard 0

Issuing Date 25-Nov-2015
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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