1. IDENTIFICATION

Product Identifier

Product Name

SELF CURING DENTURE POWDER / JET DENTURE REPAIR POWDER

Other means of identification

SDS# 004
Product Code 0830, 0834, 0850, 0856, 0870, 0880 / 1212, 1220, 1223, 1230, 1234, 1250, 1256, 1270, 1280

Recommended use of the chemical and restrictions on use

Recommended Use Fabrication of dentures

Details of the supplier of the safety data sheet

Supplier Address Lang Dental Mfg. Co., Inc.
175 Messner Dr.
Wheeling, IL 60090
USA

Emergency telephone number

Company Phone Number 847-215-6622
Emergency Telephone (INFOTRAC) 352-323-3500 (International)
800-535-5053 (North America)

Authorized European Representative MedMark® Europe SARL
11, rue Emile Zola – BP 2332
38033 Grenoble Cedex 2
France
Tel: +33 476 86 43 22
Fax: +33 476 17 19 82
Email: info@medimark-europe.com

2. HAZARDS IDENTIFICATION

Classification

Skin sensitization Category 1

Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Physical State Powder Appearance Fine, white to pigmented Odor Faint odor in bulk

Precautionary Statements – Prevention

P261 Avoid breathing dust, fumes, gas, mist, vapors or spray.
P264 Wash hands and exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protectio.
Precautionary Statements – Response
P302+P352  IF ON SKIN: Wash with soap and water.
P333+P313  If skin irritation or rash occurs: Get medical advice/attention.
P363  Wash contaminated clothing before reuse.

Precautionary Statements – Disposal
P501  Dispose of contents/container to an approved waste disposal plant.

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>Polymer</td>
<td>9011-14-7</td>
<td>&lt; 90</td>
<td>*</td>
</tr>
<tr>
<td>Benzoyl peroxide</td>
<td>94-36-0</td>
<td>&lt; 2</td>
<td>*</td>
</tr>
</tbody>
</table>

*Specific chemical weight has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

**Inhalation**
Remove to fresh air. Keep at rest in a position comfortable for breathing. Get medical attention if discomfort persists.

**Eye contact**
Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists, get medical advice / attention.

**Ingestion**
Do NOT induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested.

**Skin Contact**
Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

Most important symptoms and effects, both acute and delayed

**Symptoms**
Eyes, skin and respiratory tract may be irritated by gross overexposure to particulates. Eyes may be red, itchy, irritated or watering from overexposure. Ingestion of large amounts may be irritating if product is swallowed. May cause nausea, headache, vomiting or diarrhea.

**Indication of any immediate medical attention and special treatment needed**
Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Extinguishing Media**
Suitable: Water, carbon dioxide (CO₂), dry chemical
Unsuitable: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.

**Specific hazards arising from the chemical**
For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

**Protective equipment and precautions for firefighters**
Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

Methods and material for containment and clean-up

Method for containment
Prevent further leakage or spillage if safe to do so.

Method for clean-up
Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of warm water and soap.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust or fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool and well-ventilated place away from direct sunlight or other sources of light or intense heat. Temperature not to exceed 35°C.

Packaging materials
Keep in original container.

Incompatible materials
Strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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>Benzoyl peroxide</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td>IDLH: 1500 mg/m³</td>
</tr>
<tr>
<td>94-36-0</td>
<td></td>
<td>TWA: 5 mg/m³ (vacated)</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls
Apply technical measures to comply with the occupational exposure limits. When working with large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

Individual protection measures, such as personal protective equipment

Eye / face protection
Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and body protection
If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to US OSHA 29 CFR SS1910.138 or the appropriate standards of Canada or the EC member states.
Respiratory protection

No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

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>Physical state</td>
<td>Powder</td>
<td>Odor</td>
</tr>
<tr>
<td>Appearance</td>
<td>Fine</td>
<td>Odor threshold</td>
</tr>
<tr>
<td>Color</td>
<td>White to pigmented</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>304°C / 579°F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non-flammable</td>
<td></td>
</tr>
<tr>
<td>Flammability limits in air</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

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

Does not occur.

Conditions to avoid

Heating above 240°C / 464°F

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Methacrylate monomer, oxides of carbon when burned

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposures

Product information

This product has not been tested on animals to obtain toxicology data.

Inhalation

Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.

Eye contact

Avoid contact with eyes.

Skin contact

May be irritating to skin in some sensitive individuals, especially after prolonged or repeated contact.

Ingestion

Large amounts may cause nausea, headache, vomiting or diarrhea.
Component information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD50</th>
<th>DERMAL LD50</th>
<th>INHALATION LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl peroxide 94-36-0</td>
<td>6400 mg/kg (rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms
See Section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity
Not classifiable as a human carcinogen (IARC group 3)

Numerical measures of toxicity – Product
Not determined

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 6250 mg/kg

12. ECOLOGICAL INFORMATION

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

Persistence and degradability
Not determined

Bioaccumulation
Not determined

Mobility
Not determined

Other adverse effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Follow all local and national government regulations in disposing material or contaminated packaging.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl peroxide 94-36-0</td>
<td>6400 mg/kg (rat)</td>
</tr>
</tbody>
</table>

Contaminated Packaging
For bulk only: 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. Dispose of all empty containers properly in accordance with federal, state and local regulations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl peroxide 94-36-0</td>
<td>Toxic, Ignitable, Reactive</td>
</tr>
</tbody>
</table>

14. TRANSPORTATION INFORMATION

DOT
Not regulated

IATA
Not regulated

IMDG
Not regulated
# 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>United States Toxic Substances Control Act, Section 8(b) Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>Canadian Domestic Substances</td>
</tr>
</tbody>
</table>

**EU Regulations**

EC No. 1272/2008 (CLP) Classification, Labeling, Packaging  
Medical Devices Directive 93/42/EEC - Class I Medical Devices

**US Federal Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl peroxide</td>
<td>94-36-0</td>
<td>1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**US State Regulations**

**US State Right-to-know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl peroxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

94-36-0

# 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Issue Date** 26-Sept-2014  
**Revision Date** 21-Oct-2015  
**Revision Note** Section 4 - revise inhalation and symptoms; Update component classification in Sections 2, 3, 8, 11, 12, 13, 15

**Information to be updated in due course** Hazard pictograms listed in this SDS to be added to product label

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered 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 materials or in any process, unless specified in the text.

*End of Safety Data Sheet*