# PALLADIUM-CHARCOAL ACTIVATED (5% PD) MSDS

## CAS-No.: MSDS

### MATERIAL SAFETY DATA SHEET (MSDS)

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1. **Product identifier**
   - **Product form**: Substance
   - **Product code**: 05085

1.2. **Relevant identified uses of the substance or mixture and uses advised against**

1.2.1. **Relevant identified uses**
   - **Industrial/Professional use spec**: Industrial
     For professional use only

1.2.2. **Uses advised against**
   - No additional information available

1.3. **Details of the supplier of the safety data sheet**
   - LOBA CHEMIE PVT.LTD.
     107 Wode House Road, Jehangir Villa, Colaba
     400005 Mumbai - INDIA
     T +91 22 6663 6663 - F +91 22 6663 6699
     info@lobachemie.com - www.lobachemie.com

1.4. **Emergency telephone number**
   - **Emergency number**: + 91 22 6663 6663 (9:00am - 6:00 pm)

#### SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**

- **Classification according to Regulation (EC) No. 1272/2008 [CLP]**
  - Not classified

- **Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**
  - Not classified

- **Adverse physicochemical, human health and environmental effects**
  - No additional information available
PALLADIUM-CHARCOAL ACTIVATED (5% Pd)
Safety Data Sheet

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Name: PALLADIUM-CHARCOAL ACTIVATED (5% Pd)

Full text of R- and H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Gently wash with plenty of soap and water.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed
No additional information available

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media: Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures: Avoid contact with skin, eyes and clothing.
6.1.2. For emergency responders

<table>
<thead>
<tr>
<th>Protective equipment</th>
<th>Use personal protective equipment as required. Breathing apparatus.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency procedures</td>
<td>Stop release.</td>
</tr>
</tbody>
</table>

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| Methods for cleaning up | Clean up immediately by sweeping or vacuum. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

<table>
<thead>
<tr>
<th>Precautions for safe handling</th>
<th>Avoid contact with skin and eyes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hygiene measures</td>
<td>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.</td>
</tr>
</tbody>
</table>

7.2. Conditions for safe storage, including any incompatibilities

| Storage conditions | Store in original container. Store in a well-ventilated place. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

<table>
<thead>
<tr>
<th>Hand protection</th>
<th>Protective gloves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>Chemical goggles or safety glasses</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Wear suitable protective clothing</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Wear respiratory protection</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Black powder.</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 7</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>1554 °C</td>
</tr>
</tbody>
</table>
PALLADIUM-CHARCOAL ACTIVATED (5% Pd)
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Freezing point : No data available
Boiling point : 2963 °C
Flash point : No data available
Auto-ignition temperature : 604 °C
 Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 3.71 g/cm³
 Solubility : Water: Insoluble in water
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
 Explosive properties : No data available
 Oxidising properties : No data available
 Explosive limits : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
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<table>
<thead>
<tr>
<th>Hazard</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

12.1  **Toxicity**
No additional information available

12.2  **Persistence and degradability**
No additional information available

12.3  **Bioaccumulative potential**
No additional information available

12.4  **Mobility in soil**
No additional information available

12.5  **Results of PBT and vPvB assessment**
No additional information available

12.6  **Other adverse effects**
No additional information available

**SECTION 13: Disposal considerations**

13.1  **Waste treatment methods**
No additional information available

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN
# PALLADIUM-CHARCOAL ACTIVATED (5% Pd)

**Safety Data Sheet**

## 14.1. UN number

<table>
<thead>
<tr>
<th>Category</th>
<th>UN-No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
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<td></td>
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<tr>
<td>IMDG</td>
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<td></td>
</tr>
<tr>
<td>IATA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>ADN</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>RID</td>
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<td></td>
</tr>
</tbody>
</table>

## 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Category</th>
<th>Proper Shipping Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
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<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>ADN</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>RID</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

## 14.3. Transport hazard class(es)

### ADR

- Transport hazard class(es) (ADR) : Not applicable

### IMDG

- Transport hazard class(es) (IMDG) : Not applicable

### IATA

- Transport hazard class(es) (IATA) : Not applicable

### ADN

- Transport hazard class(es) (ADN) : Not applicable

### RID

- Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

<table>
<thead>
<tr>
<th>Category</th>
<th>Packing group</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>Not applicable</td>
<td></td>
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<tr>
<td>IATA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>ADN</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>RID</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

## 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment</td>
<td>No</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
<tr>
<td>Other information</td>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>

## 14.6. Special precautions for user

- **Overland transport**
  
  No data available

- **Transport by sea**
  
  No data available

- **Air transport**
  
  No data available

- **Inland waterway transport**
  
  No data available
- Rail transport
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
No REACH Annex XVII restrictions
PALLADIUM-CHARCOAL ACTIVATED (5% Pd) is not on the REACH Candidate List
PALLADIUM-CHARCOAL ACTIVATED (5% Pd) is not on the REACH Annex XIV List

15.1.2. National regulations

Germany
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV
Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands
SZW-lijst van kankerverwekkende stoffen
The substance is not listed

SZW-lijst van mutagene stoffen
The substance is not listed

NIET-imitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding
The substance is not listed

NIET-imitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid
The substance is not listed

NIET-imitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling
The substance is not listed

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.