

MATERIAL SAFETY DATA SHEET

PALLADIUM ON CALCIUM CARBONATE (10% Pd) CAS NO. : 7440-05-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: PALLADIUM ON CALCIUM CARBONATE (10% Pd)

CAS#: 7440-05-3

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: PALLADIUM ON CALCIUM CARBONATE (10% Pd)

Chemical Formula: Not available.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008.

| Component | Classification | Concentration |
|------------------|-----------------------|----------------------|
| Palladium | 7440-05-3 | >=10-<20% |

Section 3: Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 4: First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Calcium oxide

Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

Further information: Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet brushing and transfer to a container for disposal according to local regulations.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas.

Storage class (TRGS 510): Combustible Solids

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN1

Section 8: Exposure Controls/Personal Protection (Continued)

66 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: mpervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|--|----------------------|
| a)Appearance Form | : Powder, grey. |
| b)Odour | : Odorless. |
| c)Odour threshold | : No data available. |
| d)pH | : No data available. |
| e) Melting point/range | : No data available. |
| f)Initial boiling point andboiling range | : No data available. |
| g)Autoignition temperature | : No data available. |
| h)Flammability (solid, gas) | : No data available. |
| i)Upper/lower flammability or explosive limits | : No data available. |
| j)Flash point [°C] | : No data available. |
| k)Evaporation rate | : No data available. |
| l)Vapour pressure | : No data available. |
| m)Vapour density | : No data available. |

Section 9: Physical and Chemical Properties (Continued)

| | |
|-----------------------------|----------------------|
| n)Relative density, | : No data available. |
| o)Solubility in water | : No data available. |
| p)Viscosity | : No data available. |
| q)Explosive properties | : No data available. |
| r)Oxidising properties | : No data available. |
| s)Decomposition temperature | : No data available. |
| t)Autoignition temperature | : No data available. |
| u)Molecular Weight | : No data available. |

Section 10: Stability and Reactivity Data

Reactivity : No data available.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available.

Conditions to avoid : Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials : No data available.

Hazardous decomposition products

Other decomposition products - Hazardous decomposition products formed under fire conditions.-

Calcium oxide

Other decomposition products-No data available.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

LD50 Oral-Rat-6, 450 mg/kg (Calcium carbonate)

Skin corrosion/irritation

Skin-Rabbit (Calcium carbonate)

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes-Rabbit (Calcium carbonate)

Result: Mild eye irritation

(OECD Test Guideline 405)

Section 11: Toxicological Information (Continued)

Respiratory or skin sensitization

No data available (Calcium carbonate)

Germ cell mutagenicity

No data available (Calcium carbonate)

Carcinogenicity

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

Reproductive toxicity

No data available (Calcium carbonate)

Specific target organ toxicity - single exposure

No data available (Calcium carbonate)

Specific target organ toxicity - repeated exposure

No data available (Calcium carbonate)

Aspiration hazard

No data available (Calcium carbonate)

Additional Information

RTECS: Not available

Section 12: Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : No data available (Calcium carbonate)

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects : No data available.

Section 13: Disposal Considerations

Waste treatment methods

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.