OXFORD LAB FINE CHEM LLP

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

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

PALLADIUM ON CHARCOAL ACTIVATED (10% Pd)

CAS NO. : 7440-05-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: PALLADIUM ON CHARCOAL ACTIVATED (10% Pd)
CAS#: 7440-05-3
C.I. No.: Not available.
Synonym: Not available.
Chemical Name: PALLADIUM ON CHARCOAL ACTIVATED (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
Synonyms: Pd/C
Formula:Pd
Molecular weight:106.42 g/mol
No components need to be disclosed according to the applicable regulations.

Section 3: Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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. Contact with water liberates toxic gas.

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

Flush eyes with water as a precaution.

If swallowed

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

Carbon oxides

Advice for firefighters

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

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions
No special environmental precautions required.

Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities
Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.
Air and moisture sensitive.
Handle and store under inert gas.
Storage class (TRGS 510): Flammable solid hazardous materials

Section 8: Exposure Controls/Personal Protection

Control parameters
Exposure controls
Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment
Eye/face protection
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.

Section 8: Exposure Controls/Personal Protection (Continued)

Body Protection: **Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**

Respiratory protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).Control of environmental exposure: No special environmental precautions required.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)Appearance Form	**: Powder black.**
b)Odour	**: No data available.**
c)Odour threshold	**: No data available.**
d)pH	**: No data available.**
e) Melting point/range	**: 1,554.69 °C**
f)Initial boiling point andboiling range	**: 2,963 °C**
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.**
n)Relative density,	**: No data available.**
o)Solubility in water	**: Insoluble.**
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. The catalytic properties of this material will promote the oxidation and possible ignition of flammable liquids and vapors. The dehydrogenation of the lower alcohols and compounds such as cyclohexane may readily cause ignition. After use, all catalysts which contain absorbed hydrogen may ignite when d material.

Incompatible materials : Alcohols, Strong acids, Bases, Oxidizing agents, Palladium undergoes a violent reaction with arsenic.

Hazardous decomposition products
Other decomposition products - Hazardous decomposition products formed under fire conditions.- Carbon oxide
Other decomposition products-No data available.

Section 11: Toxicological Information

Information on toxicological effects
No data available.
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available
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
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available

Section 11: Toxicological Information (Continued)

Aspiration hazard
No data available
Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

Toxicity: **No data available.**

Persistence - degradability : **No data available.**

Bioaccumulative potential : **Not established.**

Mobility in soil : **Not established.**

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: **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.

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