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 CHLORIDE SOLUTION

CAS NO. :

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: PALLADIUM CHLORIDE SOLUTION
CAS#: Not available.
C.I. No.: Not available.
Synonym: Not available.
Chemical Name: PALLADIUM CHLORIDE SOLUTION
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

Substances
Formula: Cl<SB>2</>Pd
Molecular weight: 177.33 g/mol

Component	Classification	Concentration
Hydrochloric acid	7647-01-0	>=5-<10%
Palladium dichloride	7647-10-1	>=1-<10%

Section 3: Hazards Identification

Classification of the substance or mixture
Classification of the substance according to Regulation (EC) No 1272/2008:
Corrosive to metals (Category 1), H290
Skin sensitisation (Category 1), H317

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
Hydrogen chloride gas
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
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage class (TRGS 510): Non-combustible, corrosive hazardous materials

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

Section 8: Exposure Controls/Personal Protection (Continued)

Skin protection

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

Body Protection: Complete suit protecting against chemicals, 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 (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a 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: Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)Appearance Form	**: Liquid.**
b)Odour	**: No data available.**
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.**

Section 9: Physical and Chemical Properties (Continued)

m)Vapour density	**: No data available.**
n)Relative density,	**: 1.06 g/mL at 25 °C**
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 : No data available.

Incompatible materials : No data available.

Hazardous decomposition products
Other decomposition products - Hazardous decomposition products formed under fire conditions.-
Hydrogen chloride gas
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

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

Section 11: Toxicological Information (Continued)

Respiratory or skin sensitization
May cause sensitisation of susceptible persons by skin contact.
Germ cell mutagenicity
No data available
Carcinogenicity
IARC:3-Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Additional Information
RTECS: No data available
Slight irritation

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)

Proper shipping name : HYDROCHLORIC ACID
UN N° : 1789
ADR - Class : 8

Sea transport (IMDG) [English only]

Proper shipping name : HYDROCHLORIC ACID
UN N° : 1789
IMO-IMDG - Class or division : 8
IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : HYDROCHLORIC ACID
UN N° : 1789
IATA - Class or division : 8
IATA - Packing group : III

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.

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

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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.