



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: P31002
Product Name: **PALLADIUM CHLORIDE ANHYDROUS**

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Palladium dichloride

CAS-No : 7647-10-1 EC –No. 231-596-2
Molar mass : 177.31
Molecular formula : Cl_2Pd

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin.

4. FIRST AID MEASURES

After inhalation : Fresh air.
After skin contact : wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with water with the eyelid held wide open.
Summon eye specialist if necessary.
After swallowing : make victim drink plenty of water. Induce vomiting.
Summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in the event of fire: mercury vapours, sulphur oxides.

Special protective equipment for fire fighting : Do not stay in dangerous zone without Suitable chemical protection clothing and self-contained breathing apparatus.

Other information : Non-combustible. Contain escaping vapours with water. Prevent fire fighting water from entering surface water or ground water.



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6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures: Avoid generation of dusts; do not inhale dusts.
Environmental protection measures : Do not allow to enter sewerage system.
Procedures for cleaning/absorption : Carefully take up dry. Forward for disposal.
Clean up affected area. Forward for recycling.

7. HANDLING AND STORAGE

Handling : No further requirements.
Storage : Tightly closed. Dry. Storage temperature : No restrictions

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Immediately change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands and face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|---|-----------------------|
| Form | : | powder |
| Colour | : | dark brown |
| Odour | : | almost odourless |
| PH value | : | Not available |
| Melting temperature | : | 678 ⁰ C |
| Boiling temperature | : | Not available |
| Ignition temperature | : | Not available |
| Flash point | : | Not available |
| Explosion limits Lower | : | Not available |
| Upper | : | Not available |
| Relative vapour density | : | Not available |
| Density (20 ⁰ C) | : | 4.0 g/cm ³ |
| Solubility in water(20 ⁰ C) | : | insoluble |
| Hydrochloric acid (20 ⁰ C) | : | soluble |
| Thermal decomposition | : | > 600 ⁰ C |



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10. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating.
Substance to be avoided : No information available
Hazardous decomposition products : In the event of fire:Chlorine, Hydrochloric acid

Further information : Sensitive to moisture; sublimable.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity : LD₅₀ (oral, rat): 2704 mg/kg

Further toxicological information :

After inhalation of dusts : irritation symptoms in the respiratory tract.
After skin contact : irritations.
After eye contact : irritations
After swallowing : irritations of mucous membranes in the mouth, pharynx,
Oesophagus and gastrointestinal tract.

Further data : The product should be handled with the care usual when dealing with Chemicals. Further hazardous properties cannot be excluded.

12. ECOLOGICAL INFORMATION:

Ecotoxic effect: : Quantitative data on the ecological effect of this product are not available.

Biological effects : Harmful effect on aquatic organisms. Harmful effect due to pH shift.

Further ecological data : Do not allow to enter water, waste water, soil.

13. DISPOSAL METHOD :

Product

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.



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14. TRANSPORT INFORMATION :

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 8 Number and letter :65c
ADR/RID class : 8 Number and letter :65c

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 8 UN No.1759 Packaging group : III
Ems : 8-15 MFAG : 760,4.3
Correct technical name : CORROSIVE SOLID, N.O.S.
(PALLADIUM (II) CHLORIDE)

Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 8 UN/ID No. : 1759 Packaging group : III
Correct technical name : CORROSIVE SOLID, N.O.S.
(PALLADIUM (II) CHLORIDE)

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant
R-phrases : 36/38 Irritating to eyes and skin.
S-phrases : 26-28 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
