



LUMICAT
LUMINARIES OF MODERN CATALYSTS

LUMICAT CHEMS PRIVATE LIMITED

PRODUCT LIST

Silver Metal Based Chemicals: -

No.	Products Name	Molecular formula	Molecular weight	Description
1	SILVER NITRATE LR	AgNO ₃	169.89	White Crystal/Powder
2	SILVER SULPHATE LR	Ag ₂ SO ₄	311.80	White Powder
3	SILVER CHLORIDE	AgCl	143.34	White Powder
4	SILVER OXIDE	Ag ₂ O	231.74	Brownish Powder
5	SILVER CARBONATE	Ag ₂ CO ₃	275.77	Light Yellow Powder
6	SILVER BROMIDE	AgBr	187.80	Yellowish Powder
7	SILVER ACETATE	Ch ₃ COOAg	166.92	White Powder
8	SILVER IODIDE	AgI	234.77	Yellow Powder
9	SILVER SULPHIDE	Ag ₂ S	247.80	Black Powder
10	SILVER CHROMATE	Ag ₂ CrO ₄	331.73	Brown-red Powder
11	SILVER PHOSPHATE	Ag ₃ PO ₄	418.58	White Crystal
12	SILVER IODATE	AgIO ₃	282.77	White Crystal
13	SILVER TRIFLUOROACETATE	C ₂ AgF ₃ O ₂	220.88	White Powder
14	SILVER TETRAFLUORO BORATE	AgBF ₄	194.67	White Powder
15	SILVER SOLUTION	SPRAY COATING APPLICATION	-	Colourless Solution
16	SILVER HYDROGEN-PEROXIDE	DISINFECTANT SANITIZER	-	Colourless Solution
17	SIL SILVER NANO COLLOIDAL SOLUTION	SILVER PASTE (CONDUCTIVE INK)	-	Colourless Solution

Precious Metals (Palladium, Platinum, Rhodium, Ruthenium) Based Chemicals:-

Palladium:

No.	Products Name	Molecular formula	Molecular weight	Description
1	PALLADIUM CHLORIDE	PdCl ₂	177.33	Brick Red/Brown Powder
2	PALLADIUM SULPHATE	PdSO ₄	202.48	Red Brown Powder
3	PALLADIUM NITRATE	Pd(NO ₃) ₂	230.43	Red Brown Powder
4	PALLADIUM OXIDE	PdO	122.42	Black Powder
5	PALLADIUM ACETATE	Pd(O ₂ CCH ₃) ₂	224.5	Brown Yellow Powder
6	POTASSIUM TETRA CHLORO PALLADATE	Cl ₄ K ₂ Pd	326.42	Brown to brown Green Crystals
7	DIAMINO DIANITRATO PALLADATE	Pd(NO ₃) ₂ (NH ₃) ₂	232.5	Yellow Powder
8	PALLADIUM (II)IODIDE	PdI ₂	360.21	Black Powder
9	AMMONIUM TETRA CHLORO PALLADATE(II)	NH ₄ PDCL ₄	284.30	Yellow Powder
10	AMMONIUM HEXA CHLORO PALLADATE(IV)	NH ₄ PDCL ₆	355.21	Yellow Powder
11	POTASSIUM TETRA CHLORO PALLADATE	Cl ₆ K ₂ Pd	397.3	Cubic red Crystals

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12	SODIUM TETRA CHLORO PALLADATE	Cl ₄ Na ₂ Pd	282.77	White Crystal
13	TETRA AMMINE PALLADIUM II CHLORIDE	[Pd(NH ₃) ₄]Cl ₂	245.40	Yellow Powder
14	TETRA AMMINE PALLADIUM II NITRATE	Pd(NH ₃) ₄ (NO ₃) ₂	298.55	-
15	PALLADIUM II ACETATE TRIMER	[Pd(OAc) ₂] ₃	673.53	Gold brown Crystals

Platinum:

No.	Products Name	Molecular formula	Molecular weight	Description
1	PLATINUM(II) CHLORIDE	PtCl ₂	265.99	Dark Brown Powder
2	PLATINUM(IV) CHLORIDE	PtCl ₄	336.89	Brown Powder
3	PLATINUM (IV)NITRATE	Pt(NO ₃) ₄	443.10	White Crystals
4	PLATINUM OXIDE	PtO	227.8	Dark Brown Powder
5	POTASSIUM TETRA CHLORO PLATINATE	Cl ₄ K ₂ Pt	415.09	Reddish Orange Crystals
7	DIANITRODIAMMINE PLATINUM(II)	Pt(NO ₃) ₂ (NH ₃) ₂	321.15	-
8	PLATINUM (II)IODIDE	PtI ₂	448.9	-
9	AMMONIUM TETRA CHLORO PLATINATE(II)	(NH ₄) ₂ PtCl ₄	372.98	Red Powder
10	AMMONIUM HEXA CHLORO PLATINATE(IV)	(NH ₄) ₂ PtCl ₆	443.87	Yellow brown Powder
11	POTASSIUM HEXA CHLORO PLATINATE	Cl ₆ K ₂ Pt	485.99	Yellow Powder
12	SODIUM TETRA CHLORO PLATINATE	Cl ₄ Na ₂ Pt H ₂ O	382.87	-
13	CHLORO PLATINIC ACID	H ₂ PtCl ₆ XH ₂ O	409.81	Aqueous Solution

Rhodium:

No.	Products Name	Molecular formula
1	AMMONIUM HEXA-CHLORO- RHODATE (III)	(NH ₄) ₃ RhCl ₆
2	RHODIUM (III) TRI-CHLORIDE ANHYDROUS	RhCl ₃
3	RHODIUM (III) TRI-CHLORIDE HYDRATE	RhCl ₃ .H ₂ O
4	SODIUM HEXA-CHLORO- RHODATE (III) DIHYDRATE	Na ₃ RhCl ₆ 2H ₂ O
5	RHODIUM SULPHATE PLATING SOLUTION	Rh ₂ (SO ₄) ₃ .XH ₂ O
6	RHODIUM PHOSPHATE PLATING SOLUTION	RhPO ₄

Ruthenium:

No.	Products Name	Molecular formula
1	AMMONIUM HEXA-CHLORO-RUTHENATE (IV)	(NH ₄) ₂ RuCl ₆
2	AMMONIUM DI-OXIDE-ANHYDROUS	RuO ₂
3	RUTHENIUM DI-OXIDE HYDRATE	RuO ₂ .H ₂ O

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4	RUTHENIUM (III) TRI- CHLORIDE ANHYDROUS	RuCl ₃
5	RUTHENIUM (III) TRI- CHLORIDE HYDRATE	RuCl ₃ .H ₂ O

Catalysts:

No.	Products Name	Molecular formula
1	Palladium on Carbon	1 to 20%
2	Palladium on Calcium Carbonate	As required
3	Palladium on BaSO ₄	As required
4	Palladium on Alumina	As required
5	Platinum on Carbon And Various Supports	1 to 10%

Other Metal based Products:

No.	Products Name	Molecular formula
1	Palladium Stannous Activator Solution	As required
2	Sensitizer Solution	As required
3	Reducer Solution	-
4	Wetting Agent	-
5	Cleaning and degreasing Solution	-

Silver Paste:

No.	Products Name	Molecular formula
1	Silver Conductive ink/Paste	As required

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RECOVERY & REPROCESS:

- 1) Recovery & Refining Of Au From
 - Jewelers Scrap
 - Gold Scrap
 - Plating Solutions
 - Swiping Dust
- 2) Recovery & Refining Of Ag From
 - Silver Scrap
 - Jewelers Scrap
 - Spent Catalysts
 - Plating Solutions
 - Sludge from glass industries
- 3) Recovery & Refining of Palladium From,
 - Palladium Powder
 - Catalyst Gauzes
 - Carbon Supported Catalysts
 - Palladium/CaCO₃
 - Palladium/BaSO₄
 - Ag/Pd Alloys
 - Ni/Pd
 - Jewelers Scrap
 - Pd/Alumina
- 4) Recovery & Refining Of Platinum From
 - Catalyst Gauzes
 - Pt/Rh Scrap (TC Wires)
 - Pt/Pd Scrap
 - Supported Catalysts
 - Platinum Powder
 - Jewelers Scrap
 - Plating Solutions
 - Pt/Alumina
- 5) Recovery & Refining Of Rhodium From
 - RhI₃
 - Rh Scrap
 - Pt/Rh Scrap
 - Plating Solutions
- 6) Recovery & Refining Of Ruthenium
 - Ruthenium Scrap



LUMICAT

LUMINARIES OF MODERN CATALYSTS



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