



**neocat**  
grow...evolve...grow

# Catalyst Catalogue

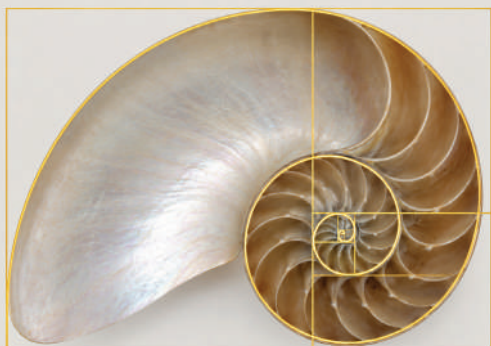


Offering a wide range of catalysts tailored  
for your specific reaction needs.

# AT NEOCAT

We are working to develop highly selective catalysts and catalytic processes for various reactions such as *hydrogenation, alkylation, acylation, oxidation, hydroxylation, isomerization, nitration* etc.

The main focus of the organization is to work in collaboration with customers, be their partners in development and make available these catalysts on commercial scale to help *replace the conventional polluting, non-catalytic processes with environmentally sustainable and more efficient processes.*

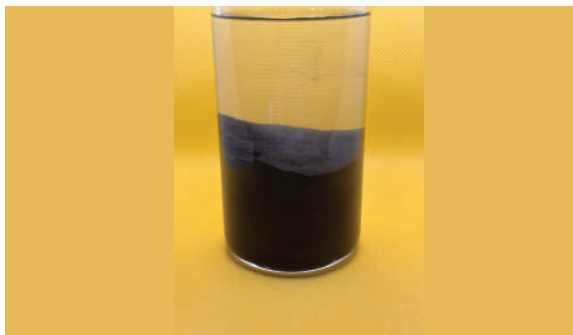
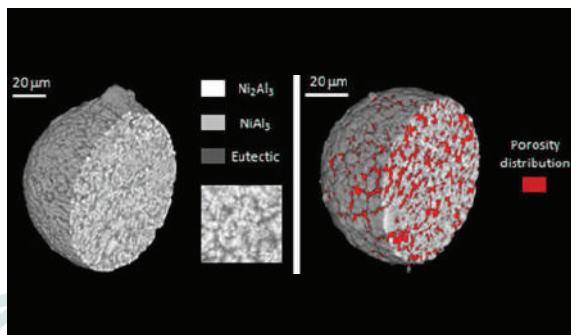


The Nautilus Shell, whose spiral perfectly follows this ratio, has come to symbolize its harmony. Described as both golden and divine, it represents a deeper understanding of the unity between science, nature, and spirituality.

For us at NEOCAT, it embodies our pursuit of beauty, perfection, and performance in catalyst design. Just as the universe evolves through stages from the growth of civilizations to the evolution of species we, too, draw inspiration from the Golden Ratio to chart our own journey of growth, innovation, and contribution toward a more sustainable future.

# SKELETAL NICKEL CATALYSTS (RANEY NICKEL-TYPE)

High-activity skeletal nickel catalysts designed for demanding hydrogenation processes, offering multiple grades with controlled selectivity, minimal dehalogenation and robust, reusable performance.

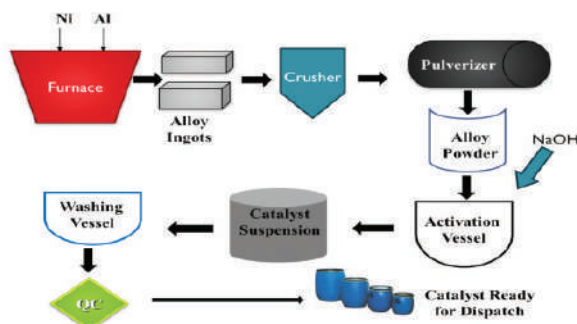


Please note that the images here are not representative of the true colour of the products.

| Grades                                       | Recommended Applications                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SNC 1211                                     | <ul style="list-style-type: none"> <li>✓ Hydrogenation of C=C bond to alkanes</li> <li>✓ Hydrogenation of Nitro to Amine</li> <li>✓ Nitro-haloaromatics to corresponding amines with minimum dehalogenation e.g., Dichloro Nitrophenol To Dichloro Aminopheno</li> <li>✓ Hydrogenation of Oximes to Amines</li> </ul> <p>Specific API use : Lisinopril, Sertraline, Mebeverine</p> |
| SNC 2211                                     | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Straight chain Aldehydes to Alcohols e.g., Butyraldehyde to Butanol.</li> <li>✓ Nitro to Amino in neat conditions e.g. P-Nitro Cumene to P- Cumidiene</li> </ul>                                                                                                                                                         |
| SNC 3211<br>SNC 3214<br>SNC 3215<br>SNC 3216 | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Oxime to Amine</li> <li>✓ Hydrogenation of Imine to Amine</li> <li>✓ Hydrogenation of Aromatic compounds. e.g., Phenol to Cyclohexanol, Pyridine to Piperidine, Specific API use: Lisinopril, 4-TAC</li> </ul> <p>*Varied Grades available depending on Particle Size requirements of the process</p>                    |

# SKELETAL NICKEL CATALYSTS (RANEY NICKEL-TYPE)

| Grades                                                               | Recommended Applications                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SNC 4211<br>SNC 4251                                                 | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Carbonyls to corresponding Alcohols e.g., Benzophenone to Benzhydrol</li> <li>✓ Hydrogenation of Nitrile to primary Amine e.g., Benzonitrile to Benzylamine</li> </ul> <p>Specific API use: Venlafaxine, Atorvastatin, Verapamil, CHEA</p> |
| SNC 6211<br>SNC 6213<br>SNC 6214<br>SNC 6216<br>SNC 6231<br>SNC 6251 | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Dextrose to Sorbitol</li> <li>✓ Hydrogenation of Nitrile to amine e.g., Butanediol</li> </ul> <p>*Varied Grades available depending on Particle Size requirements of the process.</p>                                                      |
| SNC 7211                                                             | <ul style="list-style-type: none"> <li>✓ Dehydrogenation in Carbazole</li> </ul>                                                                                                                                                                                                                     |
| SNC 8211                                                             | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Aromatic ring</li> <li>✓ Hydrogenation of Aromatic Nitrile to Amine</li> <li>✓ Hydrogenation of Carbonyls to Alcohol e.g., Substituted Phenols to Cyclohexanols &amp; Cyclohexadienone.</li> </ul> <p>Specific API use: Octopamine HCl</p> |
| SNC 9211                                                             | <ul style="list-style-type: none"> <li>✓ Hydrogenation of Nitrile to Amine under milder conditions</li> <li>✓ Selective hydrogenation of Carbonyl group</li> </ul>                                                                                                                                   |



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# OUR NEW PRODUCTION SITE: NEOCAT PVT. LTD.

Neocat, based in Ambarnath, Maharashtra, develops and manufactures a diverse portfolio of catalysts for chemical manufacturing, spanning **Precious metal** (Pd, Pt, Ru and Rh) heterogeneous and homogeneous catalysts, **Skeletal Nickel Catalyst** (Raney-type) hydrogenation catalysts and **shaped catalysts** for fixed-bed applications. Our catalyst solutions support selective, efficient and scalable processes across conventional and emerging green and energy-transition chemistries (**Fuel Cells**), complemented by integrated precious metal recovery solutions.



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Our Websites and Updated Catalyst Guide  
[www.neocat.in](http://www.neocat.in)