

Highlighting Online Vendors of *The Merck Index* Knovel

SEARCH: catalyst* AND reduc* to identify catalysts with reducing properties

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BASIC SEARCH | **FIELDED SEARCH** | BROWSE | SEARCH TIPS | USER PREFERENCES

Search: catalyst* AND reduc*
Example: "polystyrene color" AND chemical color

Display > The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals (14th Edition - 1st... | SUPPORT & ACCOUNT SERVICES

The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals (14th Edition - 1st Electronic Update)

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Description: The Merck Index is a world renowned, authoritative handbook of chemical, pharmaceutical and biomedical information that contains more than 10,000 monographs, 32 supplemental tables and 450 Organic Name Reactions and almost 1000 retired monographs.

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Title Details | Citation | Ordering Info

Filter:

- UNIT CONVERTER
- PERIODIC TABLE
- FREE TITLES

Results provide both an interactive table and links to the individual monographs

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| Basic Physical Properties | 100 % | Table (16) | |
| Aluminum Ethoxide | 7 % | | Text |
| Aluminum Hydride | 7 % | | Text |
| Bis(triphenylphosphine)dicarbonylnickel | 7 % | | Text |
| Calcium Dichromate(VI) | 7 % | | Text |
| Chromic Nitrate | 7 % | | Text |
| Chromium Ethoxide | 7 % | | Text |

View the table to compare basic physical properties

Basic Physical Properties

Table: Basic Physical Properties
 Table Type: Interactive Table
 Search Query: (catalyst* and reduc*)
 Total Number of Search Hits: 19
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| no. | title | text | CAS Name | synonyms | tradename (manufacturer) | CAS Registry No. | mol. formula | mol. weight | melting point (°C) | boiling point (°C) | density | pK | refractive index | use | more info. | no. |
|-------|-----------------------------|-------|---|-------------------------------|---------------------------------|------------------|--|-------------|---|---|---|-----------------|--------------------------------------|--------------------------|--|-------|
| 538 | Aluminum Ethoxide | 00238 | Ethanol aluminum salt | view synonyms | | 555-75-9 | C ₆ H ₁₀ AlO ₃ | 162.16 | mp 140* | bp _{0.1} 200* bp ₃ 175-180* | | | | view use | Health and Safety Related Properties | 538 |
| 542 | Aluminum Hydride | 00341 | | | | 7784-21-6 | AlH ₃ | 30.01 | | | | | | view use | Health and Safety Related Properties | 542 |
| 4211 | Crabtree's Catalyst | 02586 | [(1,2,5,6-η)-1,5-Cyclooctadiene] (tricyclohexylphosphine) iridium(1+) hexafluorophosphate (1-) | view synonyms | | 64536-70-3 | C ₁₃ H ₆₀ IrNP ₃ F ₆ P | 804.09 | | | d 1.67 g/cm ³ | | | view use | Health and Safety Related Properties | 4211 |
| 4963 | Diborane (B) | 03015 | | view synonyms | | 19207-45-7 | B ₂ H ₆ | 27.67 | mp -165* | bp -92.5* | d ¹¹² 0.447, d ^{20.0} 0.33, d ^{15.0} 0.210 | | | view use | Health and Safety Related Properties | 4963 |
| 6942 | Ferrous Sulfate | 04097 | | | | 7720-78-7 | FeO ₄ S | 151.91 | | | | | | view use | Health and Safety Related Properties | 6942 |
| 7876 | Hydrazine Hydrate | 04771 | | | | 7803-57-8 | H ₈ N ₂ O | 50.08 | mp -51.7* or below -65* (two eutectics) | bp ₇₆₀ 118-119* bp ₂₀₀ 47* | | | n _D ²⁰ 1.42842 | view use | Health and Safety Related Properties | 7876 |
| 7919 | Hydrogen Bromide | 04793 | Anhydrous hydrobromic acid | | | 10035-10-6 | HBr | 80.91 | mp -86.9* | bp ₇₆₀ -66.8* bp ₁₀ 11 atm -4.0* bp _{17.4} 4 atm 12* bp _{30.0} 3 atm 36* bp _{59.2} 2 atm 70* | d 2.71 (air = 1.00) | | | view use | Health and Safety Related Properties | 7919 |
| 11608 | Palladium Oxide | 06993 | | view synonyms | | 1314-08-6 | OPd | 122.42 | | | d 8.3 | | | view use | Health and Safety Related Properties | 11608 |
| 12570 | Platinum Oxide | 07527 | | view synonyms | | 1314-15-4 | O ₂ Pt | 227.08 | | | | | | view use | Health and Safety Related Properties | 12570 |
| 13553 | Raney® Nickel (V. R. Grace) | 08197 | | view synonyms | | 7440-02-0 | | | | | | | | view use | Health and Safety Related Properties | 13553 |
| 14228 | Shvo Catalyst | 08483 | Tetracarbonyl-μ-hydro [(1,2,3,4,5-η)-1-hydroxylabo-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-yl] [(1,2,3,4,5-η)-1-hydroxy-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-yl] diruthenium | view synonyms | | 104439-77-2 | C ₉₂ H ₄₂ O ₆ Ru ₂ | 1085.13 | | | | | | view use | Health and Safety Related Properties | 14228 |
| 14414 | D,L-Lactic Acid | 05339 | 2-Hydroxypropanoic acid | view synonyms | view tradenames | 598-92-3 | C ₃ H ₆ O ₃ | 90.08 | mp 16.8* | bp _{14.15} 122* bp _{0.5-1} 02-05* | | pKa at 25° 3.86 | n _D ²⁰ 1.4262 | view use | Health and Safety Related Properties | 14414 |
| 14540 | Sodium Hydride | 08625 | | | | 7648-89-7 | HNa | 24.00 | | | d 1.388 | | | view use | Health and Safety Related Properties | 14540 |
| 14801 | Stannous Chloride | 00783 | Tin chloride (SnCl ₂) | view synonyms | view tradenames | 7772-99-0 | Cl ₂ Sn | 189.62 | mp 247* | bp 652* | d 3.95 | | | view use | Health and Safety Related Properties | 14801 |
| 14930 | Stryker's Reagent | 08857 | Octahydrohexa-μ ² -hydrohexakis (triphenylphosphine) hexacopper | view synonyms | | 30363-93-0 | C ₁₀₀ H ₆₀ Cu ₆ P ₆ | 1951.04 | mp 111* (dec) | | d 1.367 | | | view use | Health and Safety Related Properties | 14930 |
| 17093 | Zirconium Hydride | 10176 | | | | 7704-99-6 | | | | | | | | view use | Health and Safety Related Properties | 17093 |