



# Dual Seal

## Airtight-Double-Cap Bottled Reagents

### Volatile Solutions

|       |   |               |
|-------|---|---------------|
| A1884 | Ammonia (ca. 4% in Methanol, ca. 2.0mol/L)  | 100ML         |
| A2236 | Ammonia (ca. 4% in Ethanol, ca. 2.0mol/L)   | 100ML         |
| A2237 | Ammonia (ca. 4% in Isopropyl Alcohol, ca. 2.0mol/L)                                   | 100ML         |
| B0527 | Boron Trifluoride - Ethyl Ether Complex   | 100ML & 500ML |
| B2074 | Boron Trifluoride - Butyl Ether Complex (BF <sub>3</sub> ca. 30%)                     | 500ML         |
| B4358 | 1,3-Butadiene (ca. 15% in Hexane)   | 100ML & 500ML |
| B4359 | 1,3-Butadiene (ca. 15% in Toluene)  | 100ML & 500ML |
| B4411 | 1-Butene (ca. 10% in Toluene)   | 100ML         |
| C2882 | Chloroethane (ca. 17% in Ethyl Ether, ca. 2.0mol/L)                                   | 100ML         |
| C2883 | Chloroethane (ca. 15% in Tetrahydrofuran, ca. 2.0mol/L)                               | 100ML & 500ML |
| D3948 | Dimethylamine (ca. 10% in Tetrahydrofuran, ca. 2mol/L)                                | 100ML         |
| E0531 | Ethylamine (30-40% in Methanol)   | 100ML         |
| H0959 | Hydrogen Bromide - Ethanol Reagent (10-20%) [for Esterification]                      | 100ML & 500ML |
| H1060 | Hydrogen Chloride (ca. 1mol/L in Ethyl Acetate)                                       | 500ML         |
| H1061 | Hydrogen Chloride (ca. 1mol/L in Ethyl Ether)   | 100ML         |
| H1062 | Hydrogen Chloride (ca. 4mol/L in 1,4-Dioxane)   | 500ML         |
| H1277 | Hydrogen Chloride (ca. 16% in Cyclopentyl Methyl Ether, ca. 4mol/L)                   | 25ML & 500ML  |
| I0909 | Isobutene (ca. 8% in Dichloromethane)   | 500ML         |
| I0910 | Isobutene (ca. 10% in Isopropyl Ether)  | 100ML         |
| I0911 | Isobutene (ca. 15% in Tetrahydrofuran)  | 100ML & 500ML |
| M1016 | Methylamine (40% in Methanol, ca. 9.8mol/L)   | 500ML         |
| M2108 | Methylamine (ca. 7% in Tetrahydrofuran, ca. 2mol/L)                                   | 100ML & 500ML |
| M2323 | Methylamine (ca. 9% in Ethanol, ca. 2mol/L)   | 100ML         |
| M2563 | 3-Methyl-1-butene (ca. 15% in Dichloromethane, ca. 2.5mol/L)                          | 100ML & 500ML |
| M2565 | 3-Methyl-1-butene (ca. 12.5% in Tetrahydrofuran, ca. 1.5mol/L)                        | 100ML         |
| M2813 | Methyl Chloride (ca. 5.7% in Tetrahydrofuran, ca. 1mol/L)                             | 100ML         |
| P2295 | Propyne (ca. 5% in Tetrahydrofuran, ca. 1mol/L)                                       | 500ML         |
| T2346 | Borane - THF Complex (8.5% in THF, ca. 0.9mol/L) (stabilized with Sodium Borohydride) | 100ML & 500ML |
| T2704 | Trimethylamine (ca. 13% in Tetrahydrofuran, ca. 2mol/L)                               | 100ML         |
| T3614 | Trimethylamine (ca. 8% in Toluene, ca. 1mol/L)  | 100ML         |
| V0126 | Vinyl Bromide (ca. 14% in Ethyl Ether, ca. 1.0mol/L)                                  | 100ML         |
| V0127 | Vinyl Bromide (ca. 12% in Tetrahydrofuran, ca. 1.0mol/L)                              | 100ML         |
| X0041 | Hydrogen Chloride - Methanol Reagent (5-10%) [for Esterification]                     | 100ML & 500ML |
| U0147 | Sulfur Dioxide (ca. 8% in Tetrahydrofuran, ca. 1.2 mol/L)                             | 100ML         |
| U0148 | Sulfur Dioxide (ca. 2.5% in Dichloromethane, ca. 0.5 mol/L)                           | 100ML         |
| T3957 | Trifluoroiodomethane (ca. 10% in Tetrahydrofuran, ca. 0.5mol/L)                       | 100ML         |
| T3958 | Trifluoroiodomethane (ca. 10% in Dimethyl Sulfoxide, ca. 0.6mol/L)                    | 100ML         |

- **Highly airtight double cap structure**
- **Air – sensitive reagents can be safely dispensed without exposure to air**
- **Even after piercing the septum cap, PTFE sheet on the blue outer cap provides sealing protection**

## Metallic Salt Solutions

|       |  |               |
|-------|--|---------------|
| L0186 | Lithium Borohydride (ca. 4mol/L in Tetrahydrofuran)            | 100ML         |
| L0222 | Lithium Chloride (2.3% in Tetrahydrofuran, ca. 0.5mol/L)       | 100ML         |
| T2052 | Titanium(IV) Chloride (14% in Dichloromethane, ca. 1.0mol/L)   | 100ML & 500ML |
| T2053 | Tin(IV) Chloride (ca. 1.0mol/L in Dichloromethane)             | 100ML         |
| Z0019 | Zinc Chloride (ca. 7% in Tetrahydrofuran, ca. 0.5mol/L)        | 100ML         |
| Z0020 | Zinc Chloride (ca. 25% in 2-Methyltetrahydrofuran, ca. 2mol/L) | 100ML         |

## Dehydrated Solvents

|       |   |       |
|-------|---|-------|
| D3478 | Dichloromethane Anhydrous (stabilized with 2-Methyl-2-butene) | 500ML |
| D3479 | Diethyl Ether Anhydrous (stabilized with BHT)                 | 500ML |
| H1197 | Hexane Anhydrous  | 500ML |
| T2394 | Tetrahydrofuran Anhydrous (stabilized with BHT)               | 500ML |

## Organometallic Reagents

|       |   |               |
|-------|---|---------------|
| B1087 | Bromotrimethylsilane  | 250ML         |
| D1843 | Dimethyl Sulfide Borane   | 100ML         |
| D3214 | Diethylzinc (ca. 15% in Hexane, ca. 1mol/L)   | 100ML & 500ML |
| D3902 | Diethylzinc (ca. 15% in Toluene, ca. 1mol/L)  | 100ML         |
| H0894 | Sodium Bis(trimethylsilyl)amide (contains 2-Methyl-2-butene) (38% in Tetrahydrofuran, ca. 1.9mol/L) | 100ML         |
| H0915 | Lithium Bis(trimethylsilyl)amide (ca. 26% in Tetrahydrofuran, ca. 1.3mol/L)                         | 100ML & 500ML |
| P1619 | Potassium tert-Butoxide (12% in Tetrahydrofuran, ca. 1mol/L)  | 100ML & 500ML |
| P2730 | Potassium Bis(trimethylsilyl)amide (14% in Toluene, ca. 0.6mol/L)                                   | 100ML         |
| S0467 | Sodium Bis(2-methoxyethoxy)aluminum Dihydride (70% in Toluene, ca. 3.6mol/L)                        | 100G & 500G   |
| S0486 | Sodium Methoxide (ca. 5mol/L in Methanol)   | 100ML & 500ML |
| T0133 | Tetraisopropyl Orthotitanate  | 500G          |
| T0585 | N-Trimethylsilylimidazole [Trimethylsilylating Reagent]   | 100G          |
| T1533 | Triisopropylsilane  | 100ML         |

### Ordering and Customer Service

#### TCI AMERICA

Tel : 800-423-8616 / 503-283-1681  
 Fax : 888-520-1075 / 503-283-1987  
 E-mail : Sales-US@TCIchemicals.com

#### TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00  
 Fax : +32 (0)3 735 07 01  
 E-mail : Sales-EU@TCIchemicals.com

#### TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00  
 Fax : +49 (0)6196 64053-01  
 E-mail : Sales-DE@TCIchemicals.com

#### Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60  
 E-mail : Sales-UK@TCIchemicals.com

#### 梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386  
 Fax : 021-6712-1385  
 E-mail : Sales-CN@TCIchemicals.com

#### Tokyo Chemical Industry (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909  
 E-mail : Sales-IN@TCIchemicals.com

#### TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878  
 E-mail : globalbusiness@TCIchemicals.com

• Chemicals itemized in this brochure are for research and testing use only. Please avoid use other than by chemically knowledgeable professionals. • Information such as listed products and its specifications and so on are subject to change without prior notice. • The contents may not be reproduced or duplicated in whole or in part without permission of Tokyo Chemical Industry Co., Ltd.