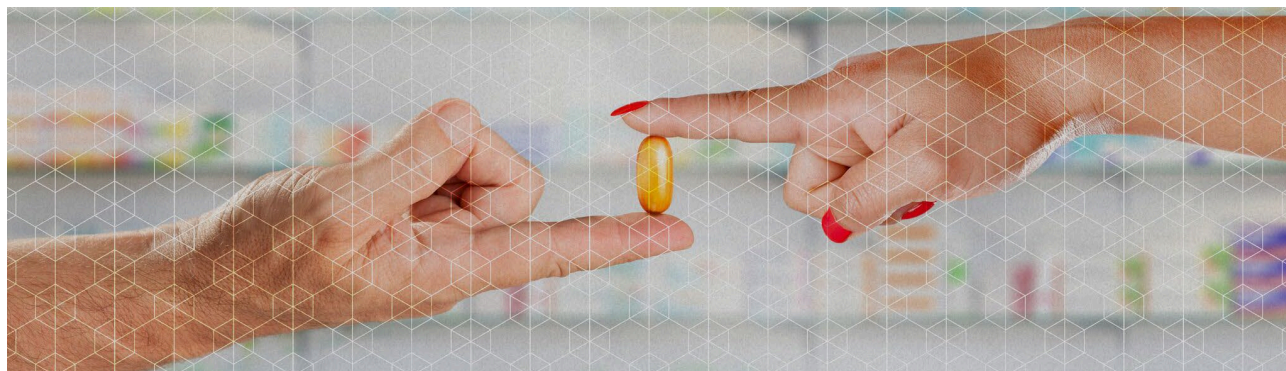


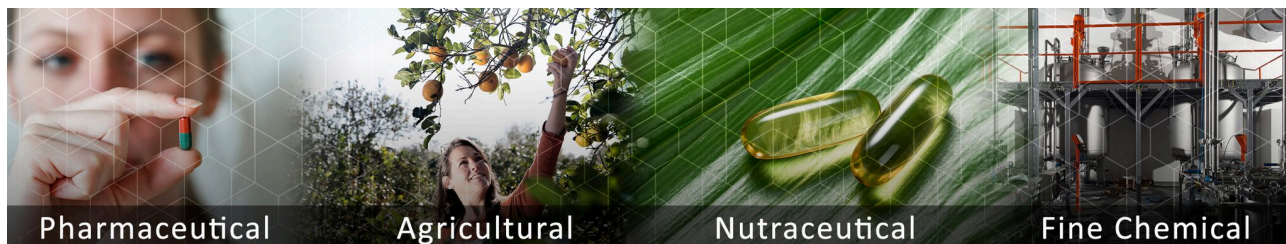
## VENPURE™ Sodium Borohydride

Essential products for demanding applications of synthetic chemistry



### ► VENPURE SODIUM BOROHYDRIDE

Ascensus is the world's leading supplier sodium borohydride reducing agents for demanding life science applications such as:



### ► VENPURE SODIUM BOROHYDRIDE DELIVERS

VENPURE sodium borohydride is a critical tool for synthesis chemists for performing high yield reductions at both lab and production scale. Key benefits valued by synthesis chemists are:

- High efficiency and simple work up process deliver advantaged total reduction cost
- Low capital investment for implementation of technology
- Broad chemo- and diastereo-selectivities (for borohydride products)
- A variety of product grades, allowing customers to select the grade that meets their process requirements
- Reliable supplier with global reach and unrivaled track record of operational reliability
- A selection of package sizes to accommodate customer's preference
- Technical advice on both safe handling and cost-efficient use
- ISO 9001, VPP (OSHA Voluntary Protection Program), Kosher, and Halal certified world class manufacturing facility in Elma, WA, USA



► **VENPURE PRODUCT SUITE**

	ASSAY	DESCRIPTION	TYPICAL USE	REGION	CLASS
<b>VENPURE SF Powder</b> Sodium borohydride NaBH <sub>4</sub>	>98.5%	White powder Typical particle size 0.2 mm Prop. anti-caking agent	Dispersion in ether solvents High active surface area	Global	UN: 1426 CAS: 16940-66-2 EINECS: 241004-4
<b>VENPURE SF Granules</b> Sodium borohydride NaBH <sub>4</sub>	>98.5%	White crystals Typical particle size 0.6 mm Prop. anti-caking agent	Dissolution in solvents such as ethanol and glycol ethers Less dusting, easier to handle	Global	UN: 1426 CAS: 16940-66-2 EINECS: 241004-4
<b>VENPURE AF Granules</b> Sodium borohydride NaBH <sub>4</sub>	>99.0%	White crystals Typical particle size 0.6 mm Additive free	Dissolution in solvents such as ethanol and glycol ethers Less dusting, easier to handle	NAR Japan	UN: 1426 CAS: 16940-66-2 EINECS: 241004-4
<b>VENPURE AF Caplets</b> Sodium borohydride NaBH <sub>4</sub>	>99.0%	White capsules Caplet, 1 cm long Additive free	Ideal for slow release and packed bed Essentially dust free	Global	UN: 1426 CAS: 16940-66-2 EINECS: 241004-4
<b>VENPURE Solution</b> Sodium borohydride NaBH <sub>4</sub>	12%	Transparent liquid Aqueous solution in 40% sodium hydroxide (NaOH)	For reactions in aqueous solution Liquid dosing	Global	UN: 3320 CAS: 16940-66-2 EINECS: 241004-4
<b>VENPURE Solution</b> Lithium borohydride LiBH <sub>4</sub>	10%	Slight yellow to clear liquid in 10% tetrahydrofuran (THF)	Reduction and hydroboration	Global Lab Scale	UN: 3399 CAS: 16949-15-8 EINECS: 241-021-7
<b>VENPURE Solution</b> Lithium borohydride LiBH <sub>4</sub>	1.5%	Slight yellow to clear liquid in 1.5% ethyl ether (EE)	Reduction and hydroboration	Pilot Scale	UN: 3399 CAS: 16949-15-8 EINECS: 241-021-7



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