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Technical Data Sheet

Basic information

Chemical name	Sodium borohydride	Formula	BH ₄ Na
Synonyms	Sodium tetrahydroborate,NaBH ₄	Chemical structure	
CAS.No.	16940-66-2		
EINECS No.	241-004-4		
Molecular weight	37.83		

Physical properties

Appearance	Solid form is White powder or granules, Liquid is Colorless or Yellowish clear solution
Density,20°C,g/cm ³	1.07
Boiling point,°C	~500 (range)
Melting point,°C	~400 (range)
Flash point,°C	69,c.c.

Specification

Items	98% powder/Granule	12% Liquid
Appearance	White powder/granules	Colorless or Yellowish clear solution
Content,%	≥ 98.0	≥ 12.0
Water,%	≤ 0.5	---
NaOH,%	---	36~44

Application

Sodium borohydride is a water soluble reductant. Mainly used in drug, pulp bleaching, recovery of noble metals and prevention of the occurrence of public nuisances caused by heavy metals.

1. Pharmaceutical intermediate, the synthesis of drug and fine chemicals;
2. Bleaching of paper pulp;
3. Recycling of noble metal;
4. Avoid the pollution of heavy metal, plasticizer, dyeing;
5. The tail gas transformer;
6. Used in reducing, refining, decolor, deodor, and oxidization of peroxide;
7. The pollution control and recycling of metal in photo and meat process industry;
8. The making and catalyst recycling of medicine and fine chemicals.etc.

Package

- Solid form: 50kg/steel drum, Total 6mt per 20'ft with pallets
- Liquid form: 250 kg/plastic drum, total 20 mt per 20'ft with pallets;
- Liquid form: 1250 kg/IBC drum,total 22.5 mt per 20'ft with pallets;

Safety on transportation

It belongs to Class 4.3 (solid form) and Class 8 (liquid form) dangerous goods, always refer to MSDS.

Storage and handling

Stored in cool and airy place; away from fire and heat; handle with care;no breakage, avoid leakage.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us.However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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