



Product Specification

SODIUM BOROHYDRIDE FOR SYNTHESIS

PRODUCT CODE	030114
SYNONYMS	(Sodium tetrahydridoborate)
C.I. NO.	--
CASR NO.	(16940-66-2)
ATOMIC OR MOLECULAR FORMULA	NaBH ₄
ATOMIC OR MOLECULAR WEIGHT	37.83
PROPERTIES	Soluble in water, ammonia, amines, pyridine and dimethyl ether of diethylene glycol; insoluble in other ethers, hydrocarbons and alkyl chlorides.

NaBH₄

PARAMETER	LIMIT
Description	A white crystalline powder/ granules.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Iodometric)	98.0%

Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements : In contact with water releases flammable gases which may ignite spontaneously. Fatal if swallowed. Causes severe skin burns and eye damage .

Precautionary statements

Prevention : Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/ face protection. Wash thoroughly after handling. Keep from any possible contact with water, because of violent reaction and possible flash fire. Handle under inert gas, protect from moisture.

Response : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Specific treatment: refer to Label or MSDS.

Disposal: Add a little at a time (2 to 5 gm) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.

IMDG Code : 4.3/1
UN No. : 1426
IATA : 4.3

Hazard Pictogram(s) :



Flammable



Acute toxicity



Corrosive to metals