

SECTION 1: Identification of the substance and of the company

1.1 Product identifier

Identification of the substance EC number CAS number	Sodium borohydride $\geq 97\%$, extra pure 241-004-4 16940-66-2
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:	Laboratory chemical reagent Laboratory and analytical use
Uses advised against:	Do not use for products which come into direct contact with the skin. Do not use for products which come into contact with foodstuffs. Do not use for household purposes.

1.3 Details of the supplier of the safety data sheet

Halosint
Via F. Molena
31015 Conegliano
Italy
email: halosint@gmail.com
website: www.halosint.com

SECTION 2: Hazards identification

2.1 Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.12	Emits flammable gas in contact with water	1	Water-react. 1	H260
3.10	Acute toxicity (oral)	3	Acute Tox. 3	H301

3.2	Skin corrosion/irritation	1C	Skin Corr. 1C	H314
3.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.7	Reproductive toxicity	1B	Repr. 1B	H360FD

Supplemental hazard information

EUH014	Reacts violently with water
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2.2 Label elements

Signal word

Danger

Pictograms

GHS02, GHS05, GHS06, GHS08



Hazard statements

H260

In contact with water releases flammable gases which may ignite spontaneously

H301

Toxic if swallowed

H314

Causes severe skin burns and eye damage

H360FD

May damage fertility. May damage the unborn child

Precautionary statements - prevention

P280

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statements - response

P301+P330+P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P302+P352

IF ON SKIN: Wash with plenty of water

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310

Immediately call a POISON CENTER/doctor

For professional users only

Supplemental hazard information

EUH014

Reacts violently with water.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance

Sodium borohydride

Molecular formula

NaBH₄

Molar mass

37.83 g/mol

CAS No

16940-66-2

EC No

241-004-4

SECTION 3: Composition/information on ingredients

4.1 Description of first aid measures

General notes

Take off immediately all contaminated clothing. Self-protection of the first aider.

Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact

After contact with skin, wash immediately with plenty of water. Immediate medical treatment is required because corrosive injuries that are not treated are hard to cure.

Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

Following ingestion

Rinse mouth immediately and drink plenty of water. If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects). In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

4.2 Most important symptoms and effects, both acute and delayed

Corrosion, Risk of blindness, Gastric perforation, Risk of serious damage to eyes

SECTION 5: Firefighting measures

5.1 Extinguishing media

dry extinguishing powder, D-powder, dry sand

5.2 Special hazards arising from the substance or mixture

Product may release hydrogen gas. Increased storage temperatures will accelerate this process. Water-reactive (in contact with water releases flammable gases).

SECTION 6: Handling and storage

6.1 Precautions for safe handling

Provision of sufficient ventilation. Handle and open container with care. Avoid exposure. Avoid dust formation. Clear contaminated areas thoroughly. When using do not eat or drink. Thorough skin-cleansing after handling the product. When using do not smoke.

6.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Keep container tightly closed. Hygroscopic solid. Do not allow contact with water. Keep container tightly closed and in a well-ventilated place. Protect against external exposure, such as humidity. Recommended storage temperature: 15 – 25 °C

Violent reaction with: Strong oxidiser, Alcohols, Metal powder, Phenol, Acids, Sulphuric acid, Hydrogen peroxide,

6.3 Individual protection measures (personal protective equipment)

Eye/face protection	Use safety goggles with side protection. Wear face protection.
Hand protection	NBR (Nitrile rubber) gloves
Environmental exposure controls	Keep away from drains, surface and ground water