

1. Product and Company Identification

Product No.: LAB044B

Product Name: Sodium Biselenite
(Sodium Hydrogen Selenite)

Manufacturer: LAB M Limited
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2. Composition and Information on Ingredients

Hazardous ingredients:

Component	CAS number EINECS number	Concentration	Classification	Risk phrases
Sodium Biselenite	7782-82-3 23-966-3	>94.0% w/w	T+, N	R 23/25, R 33 R 50/53

3. Hazard Identification

Most important hazard: Toxic by inhalation and if swallowed. Danger of cumulative effects. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Health hazard > Inhalation: Irritating to the respiratory system.

Health hazard > Skin: Material will cause irritation. Repeated or prolonged contact may lead to dermatitis.

Health hazard > Eyes: Material will cause conjunctival irritation.

Health hazard > Ingestion: Swallowing may cause gastrointestinal irritation, nausea, haemorrhage.

4. First Aid Measures

After inhalation: Remove to fresh air; if breathing becomes difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical advice

After skin contact: Wash off with copious amounts of water. If irritation persists, seek medical advice.

After eye contact: Flush with copious amounts of water; if irritation persists seek medical advice.

After ingestion: Make victim drink plenty of water to dilute stomach contents; seek immediate medical advice.

5. Fire Fighting Measures

Extinguishing media, suitable: Water spray, Carbon dioxide, dry chemical powder or foam.

Special risks: Emits toxic fumes under fire conditions

6. Accidental Release Measures

Personal precautions: Consider requirement to evacuate the area. Wear disposable gloves, eye protection, dust mask and protective clothing.

Spill: Sweep or vacuum material and place in a designated waste container. Ventilate and use a water rinse to clean the spill site after material pickup is complete.

7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Prevent inhalation of dust.

Storage: Keep container tightly closed. Store in a well ventilated area at 10 to 30⁰C.

8. Exposure Controls and Personal Protection

Engineering controls: Engineering methods to prevent control or exposure to dust are preferred. Methods include process or personnel enclosure, mechanical ventilation, and control of process conditions.

Protective measures > Hands: Protective disposable gloves.

Protective measures > Eyes: Chemical safety glasses or goggles.

Protective measures > Body: Laboratory coat.

Protective measures > Inhalation: Dust mask.

9. Physical and Chemical Properties

Physical form: Powder.

Colour: Almost white.

pH: 6.0 – 7.0

10. Stability and Reactivity

Stability: Stable under recommended storage and handling conditions (refer to part 7 of this MSDS). Hygroscopic.

Reactivity: Avoid strong oxidising agents.

11. Toxicological Information

Acute toxicity: Toxic by ingestion. Oral LD50 (rat) > 10 mg/Kg
Toxic by inhalation

Eye irritation: Material will cause irritation.

Skin irritation: Material will cause irritation.

12. Ecological Information

Ecotoxic effects: Quantitative data on the toxicity of this product is not available.

Further ecological data: No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal Considerations

Product: Hazardous waste. Must be disposed of in full compliance with all federal, state and local environmental regulations.

Packaging: Hazardous waste. Must be disposed of in full compliance with all federal, state and local environmental regulations.

14. Transport Regulations

UN number: 2630.

ADR/RID classification: 2630, Class 6.1, PG 1.
Proper shipping name > Selenites

IATA classification: 2630, Class 6.1, PG 1.
Proper shipping name > Selenites
Inhalation packing group I: No

IMDG classification: 2630, Class 6.1, PG 1.
Proper shipping name > Selenites
Marine pollutant: No
Severe marine pollutant: No

15. Regulatory Information



Hazard symbol:

T+, Toxic.

N, Dangerous to the environment

Risk phrases:

R 23/25.
R33.
R50/53.

Toxic by inhalation and if swallowed.
Danger of cumulative effects.
Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety phrases:

S20/21.
S28.
S45.
S60.
S61.

When using do not eat, smoke or drink.
After contact with skin, wash immediately with plenty of soap and water.
In case of accident or if you feel unwell, seek medical advice (show the label where possible).
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/safety data sheets.

EU classification, Annex I index number: 034-002-00-8

16. Further Information

Reason for Issue:

Alteration to format of MSDS.

The information contained in this MSDS is based on the present state of our knowledge. It characterises this product with regards to the appropriate safety precaution. It does not represent a guarantee of the properties of this product. LAB M Limited shall not be held liable for any damage resulting from the handling or from contact with this product.