

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product Name : # 9260 JOBO ECN-2 Developing Kit Pre bath

Name of Manufacturer : JOBO International GmbH

Adress : Kölner Straße 58a·51645 Gummersbach Germany

Name of Section : Johannes Bockemuehl

Phone Number : +49 (0) 2261 - 545-35

MSDS No. : J9260-01

2. Hazards identification

POTENTIAL HEALTH EFFECTS

Eye Contact: Causes severe irritation.

Inhalation: May cause irritation mucous membranes and to upper respiratory tract.

Ingestion: May cause irritation to gastrointestinal track. Some asthmatics or sulfite-sensitive persons may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness, and diarrhea.

Skin Contact: May cause irritation or reddening.

Signs And Symptoms Of Exposure:

Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, and diarrhea.

3. Composition/information on ingredients

Components - (CAS-No.)	Weight percent
SODIUM SULFATE (Anhydrous) (7757-82-6)	70-90
SODIUM BORATE (Dehydrated) (1303-96-4)	10-30

4. First aid measures

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.

Ingestion: Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed:

Treatment: No information available.

5. Firefighting measures

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture

Hazardous Combustion Products: None (noncombustible), (see also Hazardous Decomposition Products sections.)

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

Methods and materials for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

Environmental precautions: No information available.

7. Handling and storage

Precautions for safe handling

Personal precautions: Do not breathe mist or vapour at concentrations greater than the exposure limits. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Prevention of Fire and Explosion: No special technical protective measures required.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye protection: Wear eye/face protection.

Hand protection: Wear protective gloves.

Respiratory protection: If engineering controls do not maintain airborne concentrations below

recommended exposure limits, an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

9. Physical and chemical properties

Appearance : White powder
Odor: No odor.
Solubility In Water: Complete
Boiling Point: Not applicable
Vapor Pressure: Not applicable
Specific Gravity: Not applicable
Melting Point: N.E.
Freezing Point: N.E.
Percent Volatile: 0
Evaporation Rate: Not applicable
pH: 9.25 (10% aq.)
Vapor Density: Not applicable
Molecular Weight: N.E. Pounds Per Gallon: N.E.

10. Stability and reactivity

Reactivity: No data available
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerisation does not occur.
Conditions to avoid: No data available
Incompatible materials: None with common materials and contaminants with which the material may reasonably come into contact.
Hazardous decomposition products: Sulphur oxides

11. Toxicological information

Effects of Exposure

General advice:

Contains: Disodium tetraborate decahydrate. Animal feeding studies in rat, mouse and dog, at high doses, have demonstrated effects on fertility and testes. Studies with the chemically related boric acid in the rat, mouse and rabbit, at high doses, demonstrate developmental effects on the fetus, including fetal weight loss and minor skeletal variations. The doses administered were many times in excess of those to which humans would normally be exposed. Human epidemiological studies show no increase in pulmonary disease in occupational populations with chronic exposures to boric acid

dust and sodium borate dust. A recent epidemiological study under the conditions of normal occupational exposure to borate dusts indicated no effect on fertility.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Inhalation: Expected to be a low hazard for recommended handling.

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.

Ingestion: Expected to be a low ingestion hazard.

12. Ecological information

Toxicity No data available

Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Mobility in soil No data available

13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

Not regulated for all modes of transportation.

15. Regulatory information

Notification status

Regulatory List

Notification status

TSCA	All listed
DSL	All listed
NDSL	None listed
EINECS	All listed
ELINCS	None listed
NLP	None listed

AICS	All listed
IECS	All listed
ENCS	All listed
ECI	All listed
NZIoC	All listed
PICCS	All listed

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements.

16. Other information

9260 JOBO ECN-2 Developing Kit Pre bath

Weight per unit : 300g

The data above reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.