

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : # 9260 JOBO ECN-2 Developing Kit Stop 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. : J9260-04

2. HAZARDS IDENTIFICATION

GHS classification

Health hazards

Serious eye damage/eye irritation :

Category 2A

Environmental Hazards

Not classified

Physical Hazards

Not classified

GHS Label Elements

Symbol(s)



Signal Word :Warning

Hazard statements: Causes serious eye irritation.

Precautionary statements: Wash skin thoroughly after handling. Wear eye protection/ face protection.

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. Supplemental

Hazard Statements none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture :	Mixture		
<u>INGREDIENT</u>		<u>WT. %</u>	<u>CAS. No</u>
Water		50-60%	7732-18-5
Citric Acid Monohydrate		40-50%	5949-29-1
<u>Sodium hydroxide</u>		< 5%	<u>1310-73-2</u>

4. FIRST—AID MEASURES

- Inhalation : Remove patient from exposure, keep warm and at rest Obtain medical attention if ill effects occur
- Skin Contact : Remove contaminated clothing
Wash skin with water
If symptoms develop, obtain medical attention
- Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes
Obtain medical attention if ill effects occur
- Ingestion : Wash out mouth with water
Obtain medical attention if ill effects occur

5. FIRE AND EXPLOSION HAZARD DATA

- Extinguishing media
Suitable extinguishing media: Water spray. Polyvalent foam. BC powder. Carbon dioxide.
Firefighting instructions:
Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions : Avoid contact with skin and eyes.
Environmental precaution : Do not release to the environment
Method and materials for contaminant and cleaning up :
Absorb spillages in sand, earth or any suitable absorbent material.
Transfer to a container for disposal

7. HANLDING AND STORAGE

- Handling :
Avoid opening drums in unventilated areas to avoid concentrated vapors.

Avoid breathing vapors.

Avoid contact with skin and eyes.

Storage :

Keep away from frost

Store between 5 °C and 40 °C

Stir well before use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control :

Avoid contact with skin and eyes.

Do not breathe vapor/spray.

Use only in well-ventilated areas.

Personal Protection Equipment :

Respiratory Protection : Wear suitable respiratory protective equipment.

Protective Gloves : Use of gloves is recommended.

Eye Protection : Safety goggles.

Skin Protection : Wear suitable protective clothing.

Ventilation : General room ventilation adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Colorless
Odor :	Odorless
Flash Point :	Not Determined
Auto-ignition Temperature :	No Data
Explosion limit :	No Data
Solubility in Water :	Miscible with water
pH-Value Conc.Solution	2.05
Specific Gravity :	1.16 (25°C)

10. STABILITY AND REACTIVITY

Reactivity On heating:

Release of corrosive/combustible gases/vapors (acetic acid vapors).

Incompatible materials:

May react violently with alkalis.

May react with bases, copper, silver, mercury,
magnesium, zinc and their alloys.

Hazardous decomposition products: Carbon dioxide. Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components that comprise the mixture.

Toxicological Information on Ingredients:

Citric Acid Monohydrate	(Cas.No	5949-29-1)
Inhalation		May cause irritation of respiratory tract.
Eye contact		Causes serious eye irritation.
Skin contact		Prolonged contact may cause redness and irritation.
Ingestion		Ingestion may cause stomach discomfort.
Unknown acute toxicity		Not Applicable.
	ORAL (LD50)	3000 mg/kg (rat)

12. ECOLOGICAL INFORMATION

No data on possible environmental effect have been found.

13. DISPOSAL CONSIDERATION

Disposal methods : This material and its container must be disposed of in a safe way.

Dispose according to a country and local rule.

14. INFORMATION OF TRANSPORT

Not regulated for all modes of transportation.

15. REGULATORY INFORMATION

Follow all regulations in your country.

16. OTHER INFORMATION

9260 JOBO ECN-2 Developing Kit Stop bath
Volume per unit : 100ml

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.