

Material Safety Data Sheet

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

Product Name : # 9220 JOBO E-6 Color Positive kit Conditioner
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. : J9220-05

2. Hazards identification

Hazard class	Hazard category	Route of exposure
Acute toxicity	Not Classified	Oral

CONTAINS: Sodium formaldehyde bisulphite (870-72-4), 1-Thioglycerol (96-27-5), Ethylenediaminetetraacetic acid (60-00-4)

WARNING!

MAY LIBERATE SULFUR DIOXIDE

MAY BE HARMFUL IF SWALLOWED

MAY CAUSE ALLERGIC SKIN REACTION

3. Composition/information on ingredients

Components - (CAS-No.)	Weight percent
Water(7732-18-5)	70 - 90
Sodium formaldehyde bisulfite (870-72-4)	5 - 15
Ethylene diamine tetraacetic acid (60-00-4)	5 - 15
Potassium sulfite (10117-38-1)	1 - 10
1-Thioglycerol (96-27-5)	< 1

4. First aid measures

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

Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lens, if worn. Get medical attention if symptoms occur.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

Ingestion: If swallowed, DO NOT induce vomiting. Never give anything by mouth to an

unconscious person. Call a physician or poison control centre immediately.

5. Fire-fighting measures

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

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Fire or excessive heat may produce hazardous decomposition products.

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

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Absorb spill with inert material, then place in a chemical waste container. Clean surface thoroughly to remove residual contamination.

7. Handling and storage

Personal precautions: Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. 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.

Storage: Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Occupational exposure controls: Not established

Ventilation: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

Respiratory protection: None should be needed.

Eye protection: Wear safety glasses with side shields (or goggles).

Hand protection: Wear impervious gloves and protective clothing appropriate for the risk of exposure.

9. Physical and chemical properties

Physical form: liquid

Color: colorless

Odor: odorless

Specific gravity: 1.17

Vapour pressure: No date available

Vapour density: No date available

Boiling point/boiling range: > 100 °C (> 212.0 °F)

Water solubility: complete

pH: 6

Flash point: does not flash

10. Stability and reactivity

Stability: Stable under normal conditions.

Incompatibility: Strong oxidizing agents, Strong bases, Acids, Metals. Contact with strong acids may liberate sulphur dioxide. Contact with strong acids may liberate formaldehyde. Contact with strong bases may liberate formaldehyde.

Hazardous decomposition products: formaldehyde, Sulphur oxides

Hazardous Polymerization: Hazardous polymerisation does not occur.

11. Toxicological information

Effects of Exposure

General advice:

Contains: Sodium formaldehyde bisulfite. Although this chemical is only slightly toxic in laboratory animals, contact with acid in the stomach may result in release of formaldehyde which can cause irritation of the gastrointestinal tract.

Contains: Ethylenediaminetetraacetic acid. This compound can chelate metals and may alter calcium and other cation balances.

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

Eyes: No specific hazard known. May cause transient irritation.

Skin: May cause allergic skin reaction. Prolonged or repeated skin contact may cause irritation.

Ingestion: May be harmful if swallowed. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Numerical measures of toxicity - Product Information

Oral LD50 (rat): >2000mg/kg (ATEmix)

ATE: Acute toxicity estimate

12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

Potential Toxicity:

Toxicity to fish (LC50):	No data available
Toxicity to daphnia (EC50):	No data available
Toxicity to algae (IC50):	No data available
Persistence and degradability:	Readily biodegradable.

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	Not 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

9220 JOBO E-6 Color Positive kit Conditioner

Volume per unit : 250ml

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