

# Material Safety Data Sheet

Trade name: HYB (Hybridization Buffer)

Date of Issue: March 28, 2007

Revised at: July 26, 2011



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## 1. Identification of the Preparation and of the Company

Trade name: HYB (Hybridization Buffer); used for hybridizing DNA amplicons to DNA probes.

Product/Catalog Number: -

Component of: all kits of the GenoType, the ThromboType<sup>®</sup>, and the micro-IDent<sup>®</sup> series as well as the reagent sets

Identification of the company: Hain Lifescience GmbH

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## 2. Composition/Information on Ingredients

Preparation contains approx. 10% (w/w) alkyl ether sulphate, sodium salt (EINECS No. 500-234-8, CAS No. 68891-38-3; Xi, R36/38; S24/25-26-28-37/39), phosphate buffer, dye, and a preservative.

Additional information: Full text of R- and S-phrases: see under section 16.

## 3. Hazardous Characteristics

According to guideline 1999/45/EG, the preparation is not considered to be hazardous.

## 4. First Aid Measures

Ingestion: Wash out mouth with water; drink plenty of water. Call a physician.

Skin contact: Immediately flush skin with plenty of water. Remove contaminated clothing.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## 5. Fire-Fighting Measures

Preparation is not flammable.

Suitable extinguishing media: No restriction; use any means suitable for extinguishing surrounding fire.

Special protective

equipment for fire-fighting: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and

explosion measures: Emits toxic fumes under fire conditions.

## 6. Accidental Release Measures

Particular slip hazard after leakage or spillage. Wearing gloves, remove spillage with absorbent material. Flush away leavings with plenty of water. The preparation must not enter waterbodies without pre-treatment in a biological sewage treatment plant.

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## 7. Handling and Storage

Handling: Refer to section 8.  
Storage: Keep tightly closed at 2-8°C in a dry, ventilated area.  
Specific use: See instructions for use; close vial tightly immediately after use.

## 8. Exposure Limitation and Personal Protective Equipment

Preparation does not contain relevant amounts of substances with workplace-connected thresholds to be monitored. Wear suitable protective clothing, gloves, and chemical safety goggles. Wash hands thoroughly after handling.

## 9. Physical and Chemical Properties

Appearance: liquid  
Color: green  
Odor: weak inherent smell  
pH: ap. 7.5 (room temperature)  
density: 1.038 g/cm<sup>3</sup>  
viscosity (dynamic): < 20 mPas  
No data available for other parameters.

## 10. Stability and Reactivity

Stability: Note expiry date.  
Conditions to avoid: prolonged heating with open lid  
No known incompatibilities or hazardous decomposition products.

## 11. Toxicological Information

No data available.

## 12. Ecological Information

### Primary degradation:

Tensides contained in the preparation are biological degradable to at least 90% according to the requirements of the EU detergents guidelines 82/242 (non-inionic tensides) and 82/243/EEC (anionic tensides).

### Biological final degradation:

Easy and fast degradable. In degradability tests all organic substances contained in the preparation reach values >60% BSB/CSB and CO<sub>2</sub> production, respectively as well as >70% DOC reduction. These values meet the thresholds for "easy degradable". Surface active substances contained in the preparation meet the requirements of EU detergent guideline EC/648/2004 for the biological final degradation of tensides.

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## 13. Disposal Considerations

Dispose of unused reagents and waste in accordance with federal, state, and local regulations.

## 14. Transport Information

No hazardous material as defined by the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR).

## 15. Regulatory Information

Labeling: The preparation is not considered to be hazardous.

## 16. Other Information

The following R- and S-phrases refer to the classification of the components (pure substance, 100%) and not to the classification of the preparation:

R-phrases: R36/38: Irritating to eyes and skin.

S-phrases: S24/25: Avoid with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of water.

S37/39: Wear suitable gloves and eye/face protection.

The above product is part of an in vitro diagnostic kit and shall be used by trained staff only. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Hain Lifescience shall not be held liable for any damage or other consequences resulting from handling or from contact with the above product.

This material safety data sheet was prepared according to the guidelines 1999/45/EC and 91/155/EC.

### Changes compared to the previous version of this document

The following sections were changed: 1. Identification of the Preparation and the Company, 13. Disposal Considerations, 16. Other Information.