

1. Substance/preparation and company identification

Trade name: 4e Detection Kit™ B
Catalog number: **2401**
Including all 2401-xy product numbers, varieties of bacterial species

Manufacturer/Supplier: PIKA Weihenstephan GmbH
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2. Composition/information on ingredients

Washing buffer, Lysis buffer and Rehydration buffer: contain Tris(hydroxymethyl)aminomethane hydrochloride (CAS No. 1185-53-1) < 1%

DNA: contains DNA isolated from target microorganisms, all non-pathogenic, < 0.1 ng/μl

Oligonucleotide mix and Master mix: contains deoxyribonucleic acid (CAS No. 9007-49-2), partially with fluorogenic markers, < 2 picomoles each, < 10 picomoles total

3. Hazards identification

Hazard description: This product contains no hazardous constituents, or the concentration of all chemical constituents is below the regulatory threshold limits described in (EC) 1907/2006 (REACH)

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data

4. First aid measures

General information: No special measures required.

In case of inhalation: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

In case of skin contact: Wash with plenty of water and soap and rinse thoroughly. If symptoms arise, call a physician.

In case of eye contact: Rinse immediately opened eye carefully with eye-bath or water, also under the eyelids. If symptoms persist, call a physician.

After swallowing: Rinse mouth and drink plenty of water. If any symptoms persist, consult a doctor. Do not induce vomiting without medical advice.

Notes to physician: Treat symptomatically.

5. Fire fighting measures

Suitable extinguishing agents: CO₂, powder, foam or water spray; select according to surrounding materials.

Protective equipment: Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions: Use personal protective equipment.

Cleaning up/collecting: Take up mechanically and collect in suitable container for disposal.

Environmental protection: Prevent further leakage or spillage if save to do so.

Additional information: No release of hazardous substances known.

7. Handling and storage

Handling: Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Storage: Store dark at 4 °C ± 2 / 40 °F ± 5 except MasterMix store at -20°C

Environmental precautions: No special requirements.

Further information about storage conditions: No special requirements.

8. Exposure controls/personal protection

Exposure limits: We are not aware of any national exposure limit.

General protective and hygienic measures: The usual safety rules and precautionary measures for handling chemicals should be followed for each laboratory. Protective clothes should be worn.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Protection of hands: Protective gloves (chemical resistant) are recommended.

Eye protection: Safety glasses with side-shields.

9. Physical and chemical properties

General Information:

Form: Buffers and master mix: liquid; Oligomix: dried.

Colour: Clear.

Odour: Not applicable.

Melting point/Melting range: Not applicable.

Boiling point/Boiling range: Undetermined / not applicable.

Flash point: Not available.

Autoignition temperature: Data not available.

Danger of explosion: Product does not present an explosion hazard.

Solubility in / miscibility with Water: Fully miscible.

10. Stability and reactivity

Stability: Stable under normal conditions.

Conditions to be avoided: No hazardous decomposition products known if used according to specifications.

Dangerous reactions: None known.

Hazardous decomposition products: No data available.

Products polymerisation: Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity: Toxicological data are not available.

Primary irritant effects:

On the skin: May cause skin irritation in susceptible persons.

On the eye: May cause eye irritation.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed.

Sensitisation: No sensitising effects known.

Carcinogenic effects: No data available.

Mutagenic effects: No data available.

Reproductive toxicity: No data available.

Target Organ Effects: No known under normal use conditions.

Additional toxicological information: When used and handled according to specifications, hazardous properties of the product are unlikely according to our experience and the information provided to us.

Not classified as a hazardous product!

Nevertheless the product should always be handled with the usual caution whilst handling chemicals.

12. Ecological information

Ecotoxic effects: Quantitative data regarding ecological effects of this product are not available.

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulation: No information available.

Other information: If handled and used appropriately, ecological problems are not expected to occur.

13. Disposal considerations

Product: Dispose of waste according to applicable local, state, and federal regulations.

Packaging: Completely emptied outer packing can be re-cycled.

14. Transport information

No special measures need to be taken for transporting the product.

15. Regulatory information

EC guidelines: Chemical safety assessment: For this substance a chemical safety assessment is not required.

Labeling:

Symbol: None

H-Phrases: None

P-Phrases: None

National regulations (Germany):

Waterhazard class: none

16. Other information

Reason for Revision (M)SDS section updated.

This product is for research use only.

The use of our products may touch property rights of third parties. PIKA Weihenstephan GmbH does assume no responsibility for the lawfully use of this product; this responsibility lies expressly and solely at the user.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information is intended to give advice about safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information in this safety data sheet is not necessarily valid for the new made-up material. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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