

Material Safety Data Sheet

ZZAP Kit

1. Identification of the substance/preparation and company

ZZAP is a mixture of cysteine-activated proteolytic papain and dithiothreitol (DTT) for in-vitro diagnostic use only.

ZZAP Kit PN161

NHSBT Reagents

14 Estuary Banks, Speke, Liverpool L24 8RB

Telephone: 0151 268 7157 Fax: 0151 268 7156

2. Composition/information on ingredients

0.2M DTT

1% papain

3. Hazards identification

Dithiothreitol is an irritant to the eyes, skin and respiratory system

Papain is an irritant to the eyes, skin and respiratory system

The concentrations used within this reagent are not associated with any hazards

Appropriate care should be taken in the use and disposal of this product.

4. First aid measures

Eye contamination: Immediate and prolonged irrigation with copious amounts of water. Seek medical advice

Skin contamination: Wash thoroughly with copious amounts of water. If skin is broken seek medical advice

Ingestion: Wash mouth with copious amounts of water and seek medical advice

Inhalation: N/A

5. Fire fighting measures

Non combustible. If involved in fire use extinguishing media appropriate to the surrounding conditions.

6. Accidental release measures

Wear laboratory coats and disposable nitril gloves.

Control spillage in accordance with HSE regulations.

Spray spillage with appropriate decontaminant and absorb, wash spill site after material pick up is complete.

7. Handling and storage

When handling product wear laboratory coats and disposable nitril gloves. Store the reagent at -20°C or below.

Protect from contamination.

8. Exposure controls/personal protection

When handling product wear laboratory coats and disposable nitril gloves.

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- 9. Physical and chemical properties**
DTT is a clear substance when in its liquid state
1.0% papain is a clear substance when in its liquid state
- 10. Stability and reactivity**
Do not use if reagent exhibits turbidity or if a precipitate, gel or particles are present.
- 11. Toxicological information**
Data not available
- 12. Ecological Information**
Data not available
- 13. Disposal Considerations**
Dispose of in accordance with Hazardous Waste Regulations 2005 and any additional local regulations
Also see 3
- 14. Transport Information**
Suitable for transportation by road and rail.
Packaging complies with regulations in CHIP (Chemicals Hazard Information and Packaging for supply) regulations 2009
- 15. Regulatory information**
For use in-vitro diagnostic tests by appropriately trained laboratory personnel.
COSHH Regulations
Health and Safety at work act 1974
Registration, Evaluation, Authorisation and restriction of chemicals Regulations 2009
Environmental Protection Act 1990
Hazardous Waste Regulations 2005
EEC/91/155
- 16. Other information**
The information in this safety data sheet does not replace the users own assessment of work place risk as required by other health and safety legislation.