



Materials Safety Data Sheet

08/09/10

1. Identification of the Substance/Preparation and of the Company/undertaking

Trade name and synonyms DNA and Native Buffers, BNE Kit	Manufacturer gelcompany GmbH Paul-Ehrlich-Straße 17 D-72076 Tübingen Emergency telephone number: +49 (0)7071 257030	
Catalogue No. 1002-01/02, 1002-08 to 1002-12, 1002-15 1002-18 to 1002-26, 1009-14, BNE-204-TK, BNE-200-TK; BNE-004-TK	CAS No. Prod	
Description Preparation, includes 0.01% NaN ₃	Area of Application: Product Use:	Industrial Application. Analytical chemistry. Research use only.

2. Composition/Information on Ingredients

Chemical family Tris(hydroxymethyl)-aminomethane (TRIS), Sodium Azide (NaN ₃ : R28, R32, R50/53)
Appearance and Odour Liquid, no odour

Principal hazardous component(s)	CAS - No. Comp	Conc. (%)	Classification
TRIS EC-No 201-064-4	77-86-1	1-8	Xi;R36/38
Sodium Azide EC-No 247-852-1	26628-22-8	0.01	N/A

3. Hazards Identification

Routes of entry	Effects of Occupational Overexposure
Inhalation Eye contact Skin contact Ingestion	

4. First-Aid Measures

Inhalation: Eyes:	Rinse immediately with plenty of water
Skin: Ingestion:	Wash off with water Wash out mouth with water and if conscious give water to drink

5. Fire-Fighting Measures

Extinguishing media Carbon dioxide, dry chemicals or water spray
Special fire fighting procedures None.
Unusual fire and explosive hazards

None

6. Accidental Release Measures

Steps to be taken if material is released or spilled

Wipe up and place in containers for disposal. Clean spill area with detergent and water.

7. Handling and Storage

Precautions to be taken in handling and storage etc

Store at +4 - +8°C. Do not freeze.

8. Exposure Controls/Personal Protection

Exposure limit

Not established.

Ventilation requirements

Normal ventilation

Special personal protection equipment

None

Respiratory

None

Eye

Safety goggles

Hand protection

Gloves

Other clothing or equipment

None

9. Physical and Chemical Properties

Formula N/A (Not applicable)	Vapour pressure N/A	Melting point N/A
Boiling point 760 mm Hg N/A	Molecular weight N/A	Flash point N/A
Specific gravity N/A	Solubility in water Soluble	

10. Stability and Reactivity

Stability (normal conditions) Stable	Hazardous polymerization Will Not Occur	Conditions to avoid None
Incompatibility materials to avoid Avoid contact with oxidizing agents		
Hazardous decomposition products Decomposes at 700 °C to amines and amides		

11. Toxicological Information

Toxicity Information

TRIS: LD50 (rat,oral) 5900 mg/kg

12. Ecological Information

Biodegradability: TRIS: Readily	
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13. Disposal Considerations

Waste disposal method

Dispose as per local, state or federal regulations

14. Transport Information

UN-No Not listed	ADR/RID DGR	Class	Compound No	Packing Group
Dangerous goods No				

15. Regulatory Information

16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Enquiries regarding MSDS Content should be directed to:

gelcompany office.

For research use only. Not for drug, household or any other use.

(DIN Number M1002-01-10)