

# SAFETY DATA SHEET

## SDT046 - TH2 - Buffer

### 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name:** TH2 - Buffer  
**Product code:** SDT046  
**Use:** Analytical reagent  
**Company:** droptestkits.com Limited  
The New Dairy, Lamport Manor,  
Northampton, NN6 9HF  
Tel: 01604 686 995 Fax: 01604 686 997  
Email: info@droptestkits.com

**Emergency Tel:** 07724 668 569

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS: 141-43-5 Monoethanolamine (R20 R36/37/38) 30 - 50%

### 3. HARDARDS IDENTIFICATION

**Main hazard:** Harmful by inhalation.  
**Other hazards:** Irritating to eyes, respiratory system and skin.

### 4. FIRST AID MEASURES

**Skin contact:** There may be mild irritation at the site of contact.  
Wash affected skin with running water for ten minutes.  
**Eye contact:** May cause irritation and redness. The eyes may water profusely.  
Bathe eye with running water for 15 minutes. Seek medical advice.  
**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea, stomach pains and vomiting.  
Wash out mouth. Do not induce vomiting. Drink water. Seek medical advice.  
**Inhalation:** May irritate throat and cause tightness of the chest.  
Remove casualty to fresh air.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** All extinguishing agents can be used.  
**Exposure hazard:** In combustion emits toxic fumes.  
**Protection:** Wear self-contained breathing apparatus and protective clothing to prevent skin contact.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear protective gloves and safety glasses.  
**Environmental precautions:** Do not allow large quantities to enter drainage system.  
**Clean-up procedure:** Small quantities can be disposed of via a foul drain. Use a licensed contractor for larger quantities.

### 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the reagent.  
**Storage conditions:** Keep the container tightly closed. Keep away from direct sunlight.  
**Suitable packaging:** Keep reagent in original packaging.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering measures:** Ensure sufficient ventilation.  
**Respiratory protection:** Not necessary.  
**Hand protection:** Wear protective gloves (eg latex or vinyl).  
**Eye protection:** Wear safety glasses.  
**Skin protection:** Wear a suitable laboratory coat.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|            |                |                      |                              |
|------------|----------------|----------------------|------------------------------|
| State:     | Liquid         | Colour:              | Pale yellow                  |
| Odour:     | Slight amine   | Evaporation rate:    | Moderate                     |
| Oxidising: | Non-oxidising. | Solubility in water: | Miscible in all proportions. |
| Viscosity: | Non-viscous    | pH:                  | 10 - 11                      |

## Safety data sheet (continued) - SDT046 - TH2 - Buffer

### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.  
Conditions to avoid: Direct sunlight and heat.  
Materials to avoid: Strong oxidising agents and strong acids.  
Decomposition products: In combustion emits toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Monoethanolamine  
Hazardous component 2: Hydrochloric acid  
Note:

### 12. ECOLOGICAL INFORMATION

Mobility: Soluble in water. Non-volatile.  
Persistence/Biodegradability: Fully biodegradable.  
Bioaccumulation potential: Will not bioaccumulate.  
Other adverse effects: Negligible ecotoxicity.

### 13. DISPOSAL CONSIDERATIONS

Disposal operations: Small amounts can be disposed of to foul drain.  
Disposal of packaging: Wash out. Dispose as normal industrial waste.  
Notes: Consider local and national disposal regulations.

### 14. TRANSPORT INFORMATION

#### ADR / RID

|                       |   |                |     |   |   |
|-----------------------|---|----------------|-----|---|---|
| Proper shipping name: | Not classified as dangerous for transport |                |     |   |   |
| UN No.                | N/A                                       | Label 1:       |     |   |   |
| ADR Class:            | N/A                                       | Label 2:       |     |   |   |
| Packing group:        | N/A                                       | Hazard ID No.: | N/A | — | — |
| Classification code:  | N/A                                       |                |     |   |   |

#### INDG / IMO

|                   |     |           |     |
|-------------------|-----|-----------|-----|
| UN No.            | N/A | Class:    | N/A |
| Packing group:    | N/A | EmS:      | N/A |
| Marine pollutant: | No  | Labeling: | N/A |

#### IATA / ICAO

|                       |      |           |     |
|-----------------------|------|-----------|-----|
| UN No.                | N/A  | Class:    | N/A |
| Packing group:        | N/A  | Labeling: | N/A |
| Packing instructions: | None |           |     |

### 15. REGULATORY INFORMATION



#### Risk phrases

R20 Harmful by inhalation  
R36/37/38 Irritating to eyes, respiratory system and skin

#### Safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37/39 Wear suitable protective clothing gloves and eye/face protection

### 16. OTHER INFORMATION

The above information is based on current knowledge at the time of publication and is given in good faith.

No warranty is implied as to the suitability of the product for any purpose other than chemical analysis.

The information contained in this MSDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this MSDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded.