

# SAFETY DATA SHEET

## SDT067 - MO2 - Buffer

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

**Product Name:** MO2 - Buffer  
**Product code:** SDT067  
**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: 100-97-0 Hexamethylenetriamine (R11, R42/43) >90%

### 3. HAZARD IDENTIFICATION

**Main hazard:** Highly flammable.  
**Other hazards:** May cause sensitisation by inhalation and skin contact.

### 4. FIRST AID MEASURES

**Skin contact:** Irritation or pain may occur at the site of contact. Severe burns may occur. Wash affected skin with running water for ten minutes. If symptoms persists consult a doctor.  
**Eye contact:** There may be irritation, redness or pain. There may be corneal burning or possible blurring of vision. Bathe eye with running water for 15 minutes. Seek medical advice.  
**Ingestion:** Possible nausea, stomach pains, vomiting, mental confusion, loss of consciousness or convulsions. Wash out mouth. Do not induce vomiting. Drink water. Consult a doctor.  
**Inhalation:** Similar symptoms to ingestion. Remove casualty to fresh air. If necessary seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide, alcohol or polymer foam, dry chemical powders or water spray.  
**Exposure hazard:** Highly flammable. In combustion emits toxic fumes of hydrogen cyanide.  
**Protection:** Wear self-contained breathing apparatus.

### 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:** Wash the spillage site with large amounts of water.

### 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:** Self-contained breathing apparatus must be available in case of emergency.  
**Hand protection:** Wear protective gloves (eg latex or vinyl).  
**Eye protection:** Wear safety glasses. Ensure eye bath is to hand.  
**Skin protection:** Wear a suitable laboratory coat.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Solid. **Colour:**  
**Odour:** Sweet smelling **Evaporation rate:**  
**Oxidising:** Non-oxidising. **Solubility in water:** Soluble.  
**Viscosity:** **pH:** 8 - 8.5

**10. STABILITY AND REACTIVITY**

Stability: Stable under normal conditions.  
 Conditions to avoid: Heat. Hot surfaces. Flames. Sources of ignition.  
 Materials to avoid: Water. Acids. Oxidising agents.  
 Decomposition products: In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

Hazardous component 1: Hexamine IVN RAT LD50 9200 mg/kg, ORL MUS LD50 569 mg/kg  
 Hazardous component 2:  
 Note:

**12. ECOLOGICAL INFORMATION**




Mobility: Soluble in water. Non-volatile.  
 Persistence/Biodegradability: Not known.  
 Bioaccumulation potential: Not known.  
 Other adverse effects:

**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:	HEXAMETHYLENETETRAMINE					
UN No.	1328	Label 1:	4.1			
ADR Class:	4.1	Label 2:				
Packing group:	III	Hazard ID No.:	40			
Classification code:	F1					

**INDG / IMO**

UN No.	1328	Class:	4.1
Packing group:	III	EmS:	F-A,S-G
Marine pollutant:	No	Labeling:	4.1

**IATA / ICAO**

UN No.	1328	Class:	4.1
Packing group:	III	Labeling:	4.1
Packing instructions:	419(P&CA); 420(CAO)		

**15. REGULATORY INFORMATION**



Risk phrases

R11 Highly flammable  
 R42/43 May cause sensitisation by inhalation and skin contact

Safety phrases

S16 Keep away from sources of ignition - No Smoking  
 S22 Do not breathe dust  
 S24 Avoid contact with the skin  
 S37 Wear suitable gloves

**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.