

SAFETY DATA SHEET

SDT055 - HFE1 - Buffer

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name: HFE1 - Buffer
Product code: SDT055
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
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS: 7664-93-9 Sulphuric acid (R35) 50%

3. HAZARD IDENTIFICATION

Main hazard: Causes severe burns.
Other hazards:

4. FIRST AID MEASURES

Skin contact: Severe irritation. Blistering may occur with prolonged contact. Severe burns may occur. Wash affected skin with running water for ten minutes. If soreness persists consult a doctor.
Eye contact: Severe pain. Possible corneal burns, blurring of vision and watering of the eyes. Bathe eye with running water for 15 minutes. Seek medical advice.
Ingestion: Possible soreness of the mouth and throat. Possible lip burns, nausea, stomach pains and vomiting. Do not induce vomiting. Drink water. Consult a doctor.
Inhalation: May irritate throat and cause tightness of the chest. Possible coughing or wheezing. Remove casualty to fresh air. If necessary seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water, dry chemical powder, carbon dioxide or foam.
Exposure hazard: Corrosive. In combustion emits toxic fumes.
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: WEL (8 hr exposure limit): 1 mg/m³ Sulphuric acid.
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:	Colourless.
Odour:	Odourless	Evaporation rate:	Slow.
Oxidising:		Solubility in water:	Miscible in all proportions.
Viscosity:	Non-viscous	pH:	<1

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10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to avoid: Direct sunlight and heat.
Materials to avoid: Strong bases.
Decomposition products: When heated to decomposition acrid smoke and irritating fumes will be emitted.

11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Sulphuric acid - Oral (Rat) LD50 2140 mg/kg.
Hazardous component 2:
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:	SULPHURIC ACID					
UN No.	1830	Label 1:	8			
ADR Class:	8	Label 2:				
Packing group:	II	Hazard ID No.:	80			
Classification code:	C1					

INDG / IMO

UN No.	1830	Class:	8
Packing group:	II	EmS:	F-A, S-B
Marine pollutant:	No	Labeling:	8

IATA / ICAO

UN No.	1830	Class:	8
Packing group:	II	Labeling:	8
Packing instructions:	809(P&CA); 813(CAO)		

15. REGULATORY INFORMATION



Risk phrases

R35 Causes severe burns

Safety phrases

S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S30 Never add water to this product
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.