

# SAFETY DATA SHEET

## SDT180 - Acidifying solution

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

**Product Name:** Acidifying solution  
**Product code:** SDT180  
**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: 64-19-7 Acetic acid (R10, R35) 10 -30%

### 3. HARDARDS IDENTIFICATION

**Main hazard:** Irritating to eyes.  
**Other hazards:**

### 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. If soreness persists consult a doctor.  
**Eye contact:** There may be irritation and redness.  
Bathe eye with running water for 15 minutes. Seek medical advice.  
**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.  
Do not induce vomiting. Drink water. Consult a doctor.  
**Inhalation:** Nausea and stomach pain may occur. There may be vomiting.  
Remove casualty to fresh air.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide  
**Exposure hazard:** In combustion emits toxic fumes.  
**Protection:** Wear self-contained breathing apparatus and protective clothing to prevent eye and 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 or rivers.  
**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. Ensure good ventilation.  
**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:** Acetic acid WEL (8 Hr exposure limit) 25 mg/M3, WEL (15 min exposure limit) 37 mg/M3  
**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:     | Irritating odour | Evaporation rate:    | Slow.                        |
| Oxidising: | Non-oxidising.   | Solubility in water: | Miscible in all proportions. |
| Viscosity: | Non-viscous      | pH:                  | 4 - 5                        |

## Safety data sheet (continued) - SDT180 - Acidifying solution

### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.  
Conditions to avoid: Heat, hot surfaces and direct sunlight.  
Materials to avoid: Soft metals  
Decomposition products: When heated to decomposition acrid smoke and irritating fumes will be emitted.

### 11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Acetic acid IVN Mus LD50 525 mg/kg, ORL Rat LD50 3310 mg/kg.  
Hazardous component 2:  
Note:

### 12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.  
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: Rinse container and 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

R36/38 Irritating to eyes and skin

#### Safety phrases

S2 Keep out of reach of children  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

### 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.