

# SAFETY DATA SHEET

## SDT003 - ACD3 - Low range acidity titrant

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

**Product Name:** ACD3 - Low range acidity titrant  
**Product code:** SDT003  
**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: 1310-73-2 Sodium hydroxide 1 - 10% ( R35)

### 3. HAZARDS IDENTIFICATION

**Main hazard:** Causes severe burns.  
**Other hazards:**

### 4. FIRST AID MEASURES

**Skin contact:** Severe irritation. Blistering may occur with prolonged contact. Wash affected skin with running water for ten minutes. If soreness persists consult a doctor.  
**Eye contact:** Will cause pain and redness. May cause blurring of vision and corneal damage. Bathe eye with running water for 15 minutes. Seek medical advice.  
**Ingestion:** May cause soreness and redness of mouth and throat. If conscious, give half a litre of water to drink immediately. Seek medical advice.  
**Inhalation:** May irritate throat and cause tightness of the chest. Remove casualty to fresh air.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water, dry chemical powder, carbon dioxide or foam.  
**Exposure hazard:** Decomposes to give irritating 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:** 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:	Colourless.
Odour:	Odourless	Evaporation rate:	Slow.
Oxidising:	Non-oxidising.	Solubility in water:	Miscible in all proportions.
Viscosity:	Non-viscous	pH:	>12

## Safety data sheet (continued) - SDT003 - ACD3 - Low range acidity titrant

### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.  
Conditions to avoid: Heat.  
Materials to avoid: Strong acids and soft metals.  
Decomposition products: When heated to decomposition irritating fumes will be emitted.

### 11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Sodium hydroxide. - (Rat) LD50 40 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. Neutralise large quantities before disposal.  
Disposal of packaging: 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  
R26 Very toxic by inhalation

#### Safety phrases

S2 Keep out of reach of children  
S36/37/39 Wear suitable protective clothing gloves and eye/face protection  
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.