

# SAFETY DATA SHEET

## SDT012 - P1/M solvent (Chloroform)

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

**Product Name:** P1/M solvent (Chloroform)  
**Product code:** SDT012  
**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: 67-66-3 Chloroform >90% (R22, R38, R48/20/22)

### 3. HAZARD IDENTIFICATION

**Main hazard:** Harmful if swallowed. Irritating to skin.  
**Other hazards:** Danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

### 4. FIRST AID MEASURES

**Skin contact:** There may be mild irritation at the site of contact. Can be absorbed through the skin. 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:** Possible nausea, vomiting, stomach pains and diarrhoea. Do not induce vomiting. Drink water. Consult a doctor.  
**Inhalation:** There may be congestion of the lungs causing shortness of breath. Remove casualty to fresh air. If necessary seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide, water fog.  
**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:** Eliminate all sources of ignition. Wear protective gloves and safety glasses.  
**Environmental precautions:** Do not discharge into drains or rivers.  
**Clean-up procedure:** Adsorb into dry earth or sand.

### 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:** WEL (8 hr exposure limit): 9.9 mg/m<sup>3</sup> - Chloroform  
**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:     | Characteristic odour | Evaporation rate:    | Moderate               |
| Oxidising: | Non-oxidising.       | Solubility in water: | Not miscible in water. |
| Viscosity: | Non-viscous          | pH:                  |                        |

## Safety data sheet (continued) - SDT012 - P1/M solvent (Chloroform)

### 10. STABILITY AND REACTIVITY

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

### 11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Chloroform  
Hazardous component 2:  
Note:

### 12. ECOLOGICAL INFORMATION



Mobility: Volatile, Insoluble in water.  
Persistence/Biodegradability: No data available  
Bioaccumulation potential: No data available  
Other adverse effects: No data available

### 13. DISPOSAL CONSIDERATIONS

Disposal operations: Incinerate on land.  
Disposal of packaging: Arrange for collection by specialised disposal company.  
Notes: Consider local and national disposal regulations.

### 14. TRANSPORT INFORMATION

#### ADR / RID

|                       |            |                |     |  |   |  |
|-----------------------|------------|----------------|-----|--|---|--|
| Proper shipping name: | CHLOROFORM |                |     |  |  |  |
| UN No.                | 1888       | Label 1:       | 6.1 |  |   |  |
| ADR Class:            | 6.1        | Label 2:       |     |  |   |  |
| Packing group:        | III        | Hazard ID No.: | 60  |  |   |  |
| Classification code:  | 6.1        |                |     |  |   |  |

#### INDG / IMO

|                   |      |           |         |
|-------------------|------|-----------|---------|
| UN No.            | 1888 | Class:    | 6.1     |
| Packing group:    | III  | EmS:      | 6.1 -02 |
| Marine pollutant: | No   | Labeling: | 6.1     |

#### IATA / ICAO

|                       |      |           |     |
|-----------------------|------|-----------|-----|
| UN No.                | 1888 | Class:    | 6.1 |
| Packing group:        | III  | Labeling: | 6.1 |
| Packing instructions: |      |           | 612 |

### 15. REGULATORY INFORMATION



#### Risk phrases

R22 Harmful if swallowed  
R38 Irritating to the skin  
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

#### Safety phrases

S23 Do not breathe gas/fumes/vapour/spray.  
S36/37 Wear suitable protective clothing and gloves  
S38 In case of insufficient ventilation, wear suitable respiratory equipment  
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.