



# SAFETY DATA SHEET

Date of issue: 08/11/05

According to Regulation (EC) No. 1907/2006 (REACH)

## 1. Identification of the substance/mixture and of the company/undertaking

### *Identification of the product*

Catalogue No: 35022

ID No.: 3502200

Product name: **Leishman's staining solution**

Use of the substance/mixture: Diagnostic reagent

### *Manufacturer/supplier identification*

Company: VWR International Ltd., Hunter Boulevard, Lutterworth,  
Leics, LE17 4XN, England  
Telephone : + 44 (0) 1455 207000    Telefax : + 44 (0) 1455 558586  
E-mail: msds@eu.vwr.com

Emergency telephone No.: + 44 (0) 1455 207000

## 2. Hazards identification

Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

## 3. Composition/information on ingredients

### *Chemical characterization*

Solution in organic solvent

Product name: Leishman's staining solution

CAS number: Not applicable (Solution in organic solvent)

EC-No.: Not applicable

### *Hazardous ingredients:*

Methanol	>90%	
CAS number:	67-56-1	EC-No.: 200-659-6
Symbol(s):	F T	
R-phrases:	R11-23/24/25-39/23/24/25	
S-phrases:	S7-16-36/37-45	

## 4. First-aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, OBTAIN MEDICAL ATTENTION.
- Skin contact: Drench the skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

## 5. Fire-fighting measures

### ***Special risks:***

Highly flammable. Vapour/air mixture explosive.

### ***Suitable extinguishing media:***

Water spray, dry powder or vaporising liquids

## **6. Accidental release measures**

Shut off all sources of ignition. Inform others to keep at a safe distance. Wear appropriate protective clothing. Absorb on an inert absorbent, (e.g. BDH Spillage absorption granules), transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### ***Handling:***

Take precautions against static discharge. All electrical equipment must be flameproofed. Work under fume hood. Do not inhale substance. Change contaminated clothing. Application of skin- protective barrier cream recommended. Wash hands after working with substance. Do not empty into drains.

### ***Storage:***

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture. Store small containers in suitable flammable liquid storage cabinets when not in use. Larger drums (>50l) must be kept in purpose-built stores.

## **8. Exposure controls/personal protection**

### ***UK Exposure Limits:***

WEL - Methanol:  
Long-term: 260 mg/m<sup>3</sup> (200ppm) (Sk, IOELV)

### ***Personal protective equipment:***

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

- Respirator: Self-contained breathing apparatus when vapours are generated.
- Ventilation: Fume cupboard, flameproof
- Gloves: Butyl rubber, Viton™, PE/EVAL (Silver Shield).
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

### ***General information:***

Form:	liquid
Colour:	bluish purple
Odour:	of methanol

**Health, safety and environmental information:**

Melting temperature		-98°C
Boiling temperature		65°C
Density(g/ml)		0.79
Vapour pressure		100mmHg, 21°C
Relative vapour density:		1.11
Solubility in water		Insoluble residue
Flash point		12°C
Explosion limits:	lower:	7.3% (methanol)
	upper:	37% (methanol)
Auto-ignition temperature		464°C

**10. Stability and reactivity**

Stable.

Substances to be avoided: oxidizing agents, halogen compounds, chloroform (in the presence of: alkali hydroxides).  
The possibility of reaction with other substances cannot be excluded.

**11. Toxicological information**

- After inhalation of vapours: Irritation symptoms in the respiratory tract.
  - After contact with substance: Irritation of: eyes, mucous membranes. May cause staining.
  - After the absorption of large quantities: nausea, vomiting, headache, inebriation, impaired vision, blindness (Irreversible damage of the optical nerve.).
  - Systemic effect: acidosis, drop in blood pressure, agitation, spasms, narcosis, coma.
- The onset of symptoms may be delayed.

**Further data**

No data

**12. Ecological information**

A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal.

**Further ecological data:**

Property to be expected on the basis of the components of the preparation:  
Low aquatic toxicity.  
Biological degradability: good.

**Remarks:**

Do not allow to enter drinking water supplies, waste water, or soil!

**13. Disposal considerations**

Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.  
Rinse out empty containers thoroughly before returning for recycling.

When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

**14. Transport information**

UN-No.: 1230

Class: 3 (6.1)

Packaging group: II

Proper shipping name: METHANOL SOLUTION >90%

## 15. Regulatory information

### *Labelling according to EC directives*

Symbol(s): F T Highly flammable. Toxic.

R-phrases: R11-23/24/25-39/23/24/25

Highly flammable. Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

S-phrases: S7-16-36/37-45

Keep container tightly closed. Keep away from sources of ignition - No smoking. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC-No.: Not applicable

### *Local Regulations*

Within the UK, the use of this material must be assessed under the Dangerous Substances and Explosive Atmospheres (DSEAR) Regulations.

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

## 16. Other information

Revision.

Supersedes edition of: 04/01/00

Reason for alteration: Changes in Section : 11

Date of issue: 08/11/05

Date of print: 16/06/10

### *Text of R phrases listed in section 3*

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.