

## Material Safety Data Sheet

### 1. Identification

*Identification of the product*

Catalogue No: **61003**  
Product name: **Cou-Lo® Water Standard**  
Synonyms Cou-Lo® Water Standard, 0.1 mg (H<sub>2</sub>O)/ml

*Manufacturer/supplier identification*

Company: G.R. Scientific Ltd  
P.O. Box 242, Ampthill, Bedfordshire,  
United Kingdom, MK45 5AQ  
Emergency telephone no.: +44 (0) 1525 404747 Fax +44 (0) 1525 404848

### 2. Composition/information on ingredients

*Chemical classification*

Components

Xylenes	>99%	
CAS number:	1330-20-7	EC-No.: 215-535-7
Symbol:	Xn	
R-phrases:	R11-20/21-38	

Water	>0.1%	
CAS number:	7732-18-5	EC-No.: 231-791-2

### 3. Hazards identification

Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

### 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 obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water or milk to drink. OBTAIN MEDICAL ATTENTION.

### 5. Fire-fighting measures

*Special risks:*

Flammable.

Avoid inhalation of smoke.

*Suitable extinguishing media:*

Dry chemical, foam, water spray or carbon dioxide.

## 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, 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:*

All electrical equipment must be flame proofed. Take precautions against static discharge. Do not breathe vapour. Immediately change contaminated clothing. 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.

## 8. Exposure controls/personal protection

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.

- Ventilation: Fume cupboard, flameproof
- Respirator: Self-contained breathing apparatus
- Gloves: Viton<sup>®</sup> , Polyvinyl alcohol or PE
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

See section 15 for UK exposure limits.

## 9. Physical and chemical properties

Physical State:	Liquid
Appearance:	Clear, colourless
Odour:	Sweetish odour
Vapour Pressure:	6.7mm Hg @ 21°C
Vapor Density	3.7
Boiling Point:	137-144°C
Flash Point:	17-26°C
Solubility in water:	Insoluble.
Specific Gravity/Density:	0.86

## 10. Stability and reactivity

Stable.

No spontaneous self reaction .

Substances to be avoided : Oxidisers.

Protect from heat, flame and ignition source.

## 11. Toxicological information

Acute toxicity:

- Irritant to skin, eyes and mucous membranes.
- Harmful by ingestion, inhalation or skin absorption.
- Exposure may cause narcotic effects. Lung irritation, chest pain, CNS depression, dermatitis, gastric disturbances
- Chronic effects: liver damage, kidney damage and blood effects

*Further data*

LD50 (oral, rat): 4300 mg/kg

LC50 (inhalation, rat): 5000 ppm/4 hrs

No evidence of carcinogenic properties.

## 12. Ecological information

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

Risk of formation of explosive vapours above water surface.

## 13. Disposal considerations

Chemical residues are generally classified as 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.

## 14. Transport information

UN-No.:	1307	IMDG class:	3
IMO:	3/1307	Packaging group:	II
IATA:	1307	Packaging group:	II
Correct technical name:	XYLENES		



## 15. Regulatory information

*Labelling according to EC directives*

Symbol: Xn Harmful.

R-phrases: R10-20/21-38

Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

S-phrases: S25

Avoid contact with eyes.



*Local Regulations*

U.K. Transport Category 3

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

## **16. Other information**

Date of issue: 25th March 2009

### **Important Statement**

The information above is believed to be accurate and represents the best information currently available from multiple crosschecked sources.

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