

Material Safety Data Sheet

1. Identification

Identification of the product

Catalogue No: **61004**
Product name: **Cou-Lo® Water Standard**
Synonyms Cou-Lo® Water Standard, 1.0 mg (H₂O)/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 >50-90%
CAS number: 1330-20-7 EC-No.: 215-535-7
Symbol: Xn
R-phrases: R11-20/21-38

1-Butanol >10-50%
CAS number: 71-36-3 EC-No.: 200-751-6
Symbol: Xn
R-phrases: R10-22-37/38-41-67
Flammable. Harmful if swallowed. Irritating to respiratory system and skin.
Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness.

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 to fresh air, 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.
- DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

5. Fire-fighting measures

Special risks:

Flammable.

Avoid inhalation of smoke and fumes.

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: Vitoni[®], 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:	Strong odour of Xylene & Butanol
Boiling Point:	115-140°C
Flash Point:	26°C
Solubility in water:	Insoluble.
Specific Gravity/Density:	0.85

10. Stability and reactivity

Stable.

Keep away from ignition sources.

Substances to be avoided : Oxidisers.

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):/4 hrs

No considered carcinogenic.

Experimental reproductive effect have been reported for 1-butanol.

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.:	1993	IMDG class: 3
IMO:	3/1993	Packaging group: II
IATA:	1993	Packaging group: II
Correct technical name:	FLAMMABLE LIQUID N.O.S. (XYLENES + 1-BUTANOL)	



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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