



# Safety Data Sheet - LeakLogic Block Check Blue

According to Regulation (EC) No 1907/2006 (REACH) Annex II as amended by Regulation (EU) 2020/878 and UK REACH / GB CLP

Product: LeakLogic Block Check Blue

Synonyms: Block-Check Blue™ Test Fluid; Bromothymol Blue Indicator Solution 0.04%

Statement of safety for marketplace reviewers: This product is a non-hazardous, water-based indicator fluid containing 0.04% bromothymol blue and is not classified under EU/UK CLP.

Version: 2.0      Date of issue: 26 July 2025      Revision date: 26 July 2025

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### 1.1 Product identifier

Trade name: LeakLogic Block Check Blue

Synonyms: Block-Check Blue™ Test Fluid; Bromothymol Blue Indicator Solution 0.04%

Product code: —

UFI: Not applicable (mixture not classified for health or physical hazards).

### 1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Diagnostic reagent for detecting CO<sub>2</sub> in automotive cooling systems (combustion leak testing); professional/industrial use.

Uses advised against: No specific uses advised against when used as intended.

### 1.3 Details of the supplier of the safety data sheet

LeakLogic Ltd.

The Barn, Back Street

Modbury, Ivybridge

Devon, PL21 0RF

United Kingdom

Tel: 07943067707

Email: [info@leaklogicuk.co.uk](mailto:info@leaklogicuk.co.uk)

### 1.4 Emergency telephone number

Emergency number: 07943067707 (Mon-Fri 09:00-17:00, English only).

## **SECTION 2: Hazards identification**

### 2.1 Classification of the mixture

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) and GB CLP. This mixture is a non-hazardous, water-based indicator solution (0.04% bromothymol blue).

### 2.2 Label elements

No pictograms, signal word or hazard statements required.

### 2.3 Other hazards

The mixture contains no substances meeting PBT/vPvB or endocrine

disrupting criteria.

### **SECTION 3: Composition/information on ingredients**

Bromothymol blue (CAS 76-59-5, EC 200-971-2) 0.04% w/w – substance not classified / sometimes Eye Irrit. 2 (H319) by suppliers. At 0.04% the mixture is not classified.

Water (CAS 7732-18-5) Balance – not classified.

### **SECTION 4: First aid measures**

General: Show this SDS to medical personnel. Treat symptomatically.

Inhalation: Move to fresh air; seek advice if symptoms occur.

Skin: Wash with soap and water. If irritation develops, get medical attention.

Eyes: Rinse cautiously with water for several minutes; remove contact lenses if present and easy. If irritation persists, seek medical attention.

Ingestion: Rinse mouth, do not induce vomiting. Give water to drink and seek advice if unwell.

### **SECTION 5: Firefighting measures**

Suitable media: Water spray, foam, dry powder, CO<sub>2</sub>. Product is not flammable.

Hazards: Combustion may form CO/CO<sub>2</sub> and trace HBr/brominated compounds.

Advice: Firefighters wear SCBA/full PPE; cool containers with water spray.

### **SECTION 6: Accidental release measures**

Personal precautions: Avoid eye/skin contact; wear gloves/eye protection for large spills.

Environmental precautions: Prevent large quantities entering drains/waterways.

Clean-up: Absorb with inert material; collect for disposal; wash area with water.

### **SECTION 7: Handling and storage**

Handling: Follow good hygiene practice; avoid unnecessary contact; wash hands.

Storage: 5–30 °C, away from sunlight and freezing. Keep container tightly closed.

### **SECTION 8: Exposure controls/personal protection**

No WELs/OELs. Normal ventilation. Safety glasses if splashing likely; nitrile gloves for prolonged contact; respiratory protection not needed under normal use.

### **SECTION 9: Physical and chemical properties**

Appearance: Blue liquid    Odour: Odourless    pH: 7.0–8.0 (20 °C)

Melting point: ~0 °C    Boiling point: ~100 °C    Flash point: Not applicable (aqueous)

Vapour pressure: ~23 hPa @ 20 °C (water) Relative density: ~1.00 (20 °C)

Solubility: Completely miscible with water Viscosity: <10 mm<sup>2</sup>/s (20 °C)

Other data: Non-flammable; VOC ~0 %

## **SECTION 10: Stability and reactivity**

Stable under normal conditions. Avoid extreme temperatures. No hazardous reactions expected. Decomposition in fire may release CO<sub>x</sub> and HBr.

## **SECTION 11: Toxicological information**

Not expected to be acutely toxic or irritating at given concentration. Possible mild transient irritation to eyes/skin. No evidence of sensitisation, mutagenicity, carcinogenicity or reproductive toxicity. Not an aspiration hazard.

## **SECTION 12: Ecological information**

No expected toxicity at use concentration. Predominantly water; dye expected to be partially degradable. Not PBT/vPvB; low bioaccumulation.

## **SECTION 13: Disposal considerations**

Dispose according to local regulations. Small amounts may be flushed to sewer with plenty of water if permitted. Suggested EWC: 16 10 02 (confirm locally). Rinse packaging before recycling/disposal.

## **SECTION 14: Transport information**

Not regulated as dangerous goods (ADR/RID, IMDG, IATA). No UN number. No environmental hazards.

## **SECTION 15: Regulatory information**

EU REACH/CLP and UK REACH/GB CLP compliant. No WELs for components at present concentrations.

## **SECTION 16: Other information**

Abbreviations: ADR, CLP, DNEL, EWC, GB, HSE, IMDG, IATA, PBT, PNEC, REACH, SDS, UFI, vPvB, WEL.

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Disclaimer: Information is correct to the best of our knowledge at the date of issue and is intended to describe the product's safety requirements, not to guarantee properties.