

according to Regulation (EU) No. 1907/2006

23292-32 Bromcresol Green-Methyl Red Indicator Solution

Print date: 11/16/2010

Product code: 2329232

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1. Identification of the substance/preparation and of the company/undertaking
Identification of the substance or preparation

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Use of the substance/preparation

Water analysis

Company/undertaking identification

Company name: HACH LANGE GmbH
 Street: Willstätterstr. 11
 Place: D-40549 Düsseldorf
 Telephone: +49 (0)211 5288-383
 e-mail: SDS@hach-lange.de
 Internet: www.hach-lange.com
 Responsible Department: HACH LANGE Ltd.
 Pacific Way
 Salford Manchester M50 1DL - United Kingdom
 Tel. +44 (0) 161 872 1487
 e-Mail: info@hach-lange.co.uk

HACH LANGE Ltd.
 Unit 1, Chestnut Road Western Industrial Estate
 IRL-Dublin 12
 Tel. +353 (0)1 4602522
 e-Mail: info@hach-lange.ie

2. Hazards identification
Classification

Indications of danger : Highly flammable, Irritant

R-phrases:

Highly flammable.

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients
Chemical characterization (Mixture)
Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	85-95 %	F, Xi R11-36-67
231-791-2	7732-18-5	Water	5-15 %	
263-657-4	62625-32-5	Bromkresolgreen Sodium salt	>1 %	
215-181-3	1310-58-3	caustic potash, potassium hydroxide	<1 %	Xn, C R22-35
212-682-9	845-10-3	Methyl red sodium salt	<1 %	

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

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General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. If skin irritation persists, call a physician.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Consult a physician.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Water, Foam, Dry powder

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up with inert absorbent material and dispose of as hazardous waste.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

7. Handling and storage

Handling

Advice on safe handling

Use only in well-ventilated areas. Do not breathe vapours/dust.

Advice on protection against fire and explosion

Highly flammable

Storage

Requirements for storage rooms and vessels

Keep tightly closed in a dry, cool and well-ventilated place.

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Advice on storage compatibility

Do not store together with Acids, Oxidizing agents

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m³	mg/m³	F/ml	Category	Origin
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus only if aerosol or dust is formed.

Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact: Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

Eye protection

Safety glasses with side-shields

Skin protection

Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

General information

Physical state:	liquid
Colour:	dark green
Odour:	alcohol-like

Important health, safety and environmental information

pH-Value (at 20 °C):	7	Test method
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Changes in the physical state

Melting point:	-67 °C
Boiling point:	79 °C
Flash point:	16 °C
Lower explosion limits:	no data available
Upper explosion limits:	no data available
Density (at 20 °C):	0,819 g/cm³

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Water solubility: miscible
(at 20 °C)

Other information

Auto-ignition temperature

Solid: 410 °C

Gas: 410 °C

10. Stability and reactivity

Conditions to avoid

Heat, flames and sparks.
Stable under normal conditions.

Materials to avoid

Acids, Oxidizing agents

Hazardous decomposition products

Heating can release hazardous gases.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Corrosive and irritant effects

irritant effects

12. Ecological information

Ecotoxicity

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Advice on disposal

In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

UN number: 1219

ADR/RID class: 3

Warning plate

ADR/RID packing group: II

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Description of the goods

Isopropanol, solution

Inland waterways transport

Other applicable information (inland waterways transport)

Not tested

Marine transport

UN number: 1219
IMDG code: 3
Marine pollutant: --
IMDG packing group: II
EmS: F-E, S-D

Description of the goods

Isopropanol solution

Air transport

UN/ID number: 1219
ICAO/IATA-DGR: 3
ICAO packing group: II

Description of the goods

Isopropanol solution

Other applicable information

Additional Information: This product may be shipped as part of a chemical kit composed of various compatible dangerous goods for analytical or testing purposes. This kit would have the following classification: Proper Shipping Name: Chemical Kit, Hazard Class: 9, UN Number 3316, Package group II, EMS Code: F-A, S-P
These transport data apply to the entire pack

15. Regulatory information

Labelling

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

Hazardous components which must be listed on the label

propan-2-ol; isopropyl alcohol; isopropanol

R phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

S phrases

07 Keep container tightly closed.
16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
24/25 Avoid contact with skin and eyes.

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Additional advice on labelling

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- | | |
|----|---|
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 35 | Causes severe burns. |
| 36 | Irritating to eyes. |
| 67 | Vapours may cause drowsiness and dizziness. |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)