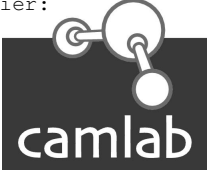


1. Identification

Product Code 1111455

Product Name `4.5` INDICATOR SOLUTION

CAS Number Mixture

Supplier: **CAMLAB LIMITED**

**Norman Way Industrial Estate
 Over
 Cambridge
 England
 CB4 5WE**

Phone 01954 233110
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 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Propan-2-ol	67-63-0	200-661-7	10.0%	R11,R36,R67	WEL

3. Hazards Identification

Not considered harmful

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest.

Ingestion If conscious give plenty of water to drink. If discomfort persists OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Water spray, alcohol resistant foam, dry powder or carbon dioxide.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Use approved personal protective equipment. Do not allow general use of area until it is safe to do so.

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

Major Spillage	Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	No specific precautions.
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8.1 Workplace Exposure Limits

Component	CAS No	Workplace Exposure Limits				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m ⁻³	ppm	mg m ⁻³	ppm	mg m ⁻³	ppm	mg m ⁻³
Propan-2-ol	67-63-0	400.0	999.0	500.0	1250	-	-	-	-

8.2 Personal Protection

Respiratory	Presents no significant inhalation health hazard.
Hands	Use solvent resistant gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Green solution which changes colour with pH.
Odour	Mild odour.
pH	7 @ 20 °C
Boiling point	Aqueous solution
Melting point	Aqueous solution
Flash point	27.0 °C(Closed cup)
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	Slight.
Oxidising Properties	No.
Vapour Pressure	59 mmHg @ 20,C
Relative Density	0.9900 °C
Water Solubility	Completely miscible in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

11. Toxicological Information

Eyes	The liquid may be irritating to the eyes.
Skin	The liquid may be mildly irritating to the skin..
LD50 Skin	Not available
Ingest	Low order of acute toxicity.
LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.

11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	Not considered to be a mutagen.

12. Ecological

Readily bio-degraded in the environment.

13. Disposal Considerations

Disposal Methods	Flush to drain.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	27.0 °C(Closed cup)
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	None
Classification	
Label Symbols	None
Risk & safety Phrases	None
EEC Number	Not available

16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

Revision Date: 3/09/08.

Data reviewed and PDF file generated: 17/03/10.

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