

Safety Data Sheet according to Regulation (EC) No. 453/2010

Date of issue: 23 December 2010

Revision date: 21 November 2012

Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Chemical type : Mixture
Trade name : Glo-Leak leak detection fluid for water ingress
Colour Index/ Chemical name : Mixture
Chemical characterization : Dyestuff in aqueous solution

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : UV-Fluorescent leak detection fluid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

PRIMALEC (R J Doran & Co Ltd) Green Farm, Nettlestead Green
MAIDSTONE - ME18 5HD, England
T +44 (0)1622 816955 customers@primalec.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0)1622 816955

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified
Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

2.2. Label elements

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.2 Mixtures****EC No. 1272/2008**

This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details

SECTION 4: First aid measures**4.1 Description of First Aid Measures**

First-aid measures general	First Aid, decontamination, treatment of symptoms. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after inhalation	When symptoms occur: go into open air and ventilate suspected area. If unconscious, place in the recovery position and seek medical advice.
First-aid measures after skin contact	Rinse and then wash skin with water and soap. Remove contaminated clothes. Do not remove clothing if it sticks to the skin.
First-aid measures after eye contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: No Symptoms known to date
Symptoms/injuries after skin contact	: Staining of the skin. There may be mild irritation at the site of contact
Symptoms/injuries after eye contact	: Staining of the eyes. There may be irritation.
Symptoms/injuries after ingestion	: There may be irritation.

4.3. Indication of any immediate medical attention and special treatment neededNo additional information available Seek Physicians advice

SECTION 5: Firefighting measures**5.1. Extinguishing media**Suitable extinguishing media: Water spray, carbon dioxide (CO₂), foam and powder..**5.2. Special hazards arising from the substance or mixture**

Reactivity : On burning: release of harmful/irritant gases/vapours.

5.3. Advice for firefighters

Firefighting instructions: Standard procedure for chemical fires. Cool tanks/drums with water spray/remove them into safety.

Protection during firefighting: Use appropriate respiratory protection.

Other information: Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures: Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke.

6.1.1. For non-emergency personnel

Protective equipment: Wear personal protection equipment. Refer to chapter 8.

Emergency procedures: Ensure adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

6.1.2. For emergency responders

Protective equipment: Wear personal protection equipment. Refer to chapter 8.

Emergency procedures: Ensure adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning upMethods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.
Wash away remainder with plenty of water.**6.4. Reference to other sections**See also section 8 & 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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Precautions for safe handling : Reduce/avoid exposure and/or contact. Keep away from sources of ignition - No smoking.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not drink, eat or smoke in the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat. Protect from freezing. Keep out of the reach of children.

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

Storage area : Ensure adequate ventilation of the storage area. Keep container tightly closed.

Store in a cool dry place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Appropriate engineering controls: Ventilate area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves. Protective clothing. Safety glasses.



Hand protection: Wear suitable gloves resistant to chemical penetration (to European standard EN 374 or equivalent), e.g. PVC or nitrile rubber. Since the product consists of several substances, it is not possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use

Eye protection: Tightly sealed safety glasses.

Skin and body protection: Wear suitable protective clothing

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls: Avoid release to the environment.

Other information: Keep away from food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state : Liquid

Appearance : Liquid

Colour : light brown

Odour : None

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Odour threshold	: No data available
pH	: 8 – 9,5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Pour point	: -0°C
Boiling point	: >100°C
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available)
Relative vapour density	: No data available
Density at 20 °C	: 1.1 g/cm ³ (typical)
Solubility	: Soluble in Water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, @40°C	: No data available
Explosive properties	: Product does not present explosion hazard.
Oxidising properties	: No data available
Explosive limits	: No direct explosion hazard

9.2. Other information

VOC content : 0 g/l

SECTION 10: Stability and reactivity**10.1. Reactivity**

On burning: release of harmful/irritant gases/vapours.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

High temperatures.

10.5. Incompatible materials

Oxidizing and reducing agents may destroy the dye

10.6. Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity

Oral

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Glo-Leak 1396 leak detection fluid	
LD50 Oral Rat	> 5000 mg/Kg
Skin corrosion/irritation	: Not classified pH 8.0 – 9.5
Serious eye damage/irritation	: Not classified pH 8.0 – 9.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information**12.1. Toxicity**

Ecology – general: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No indication of bio-accumulation potential.

12.4 Mobility in soil

Glo-Leak 1396 leak detection fluid	
Ecology - soil	Readily absorbed into soil.
12.5 Results of PBT assessment	
Glo-Leak 1396 leak detection fluid	
Results of PBT assessment	No data available

12.6. Other adverse effects

Other information: Negligible ecotoxicity.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Regional legislation (waste) : Observe regulations when disposing.

Sewage disposal recommendations: Substance must not be discharged into the sewer.

Waste disposal recommendations : Consider recycling after cleansing.

SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA 14.1.

14.1. UN number

No dangerous good in respect of transport regulations.

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

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Not regulated

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport No additional information available

14.6.2. Transport by Sea No additional information available

14.6.3. Air transport No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No REACH Annex XVII restrictions

VOC content : 0 g/l

15.1.2. National regulations

Water hazard class (WGK) : 1 - slightly hazardous to water

WGK remark : Estimated from the components.

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

First aid measures. Firefighting measures. Accidental release measures. Handling and storage. Exposure controls/personal protection. Physical and chemical properties. Stability and reactivity. Ecological information. Disposal considerations.

EU Directives: Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC

Version 2.1 amended under Regulation (EC) No. 453/2010

Review date: 08-07-2015

Relevant R Phrases Not applicable

Relevant H Phrases Not applicable

Data sources : This information is based on the present data (producers, chemical safety cards, <http://echa.europa.eu/>, <http://ecb.jrc.ec.europa.eu/esis/>, ...).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.