

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

Date of issue: 16 December 2010

Revision date: 03 March 2012

Version: 5.2

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

Chemical type : Mixture  
Trade name : Glo-Leak for Automotive Coolants  
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**

N

**2.3. Other hazards**

No Specific Hazards

**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**

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

**4.3. Indication of any immediate medical attention and special treatment needed**No additional information available Seek Physicians advice

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**Suitable extinguishing media: water spray, carbon dioxide (CO<sub>2</sub>), 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.

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**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 up**Methods 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.

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**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 : Yellow/orange

Odour : None

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Odour threshold	: No data available
pH	: 8 - 9
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	: >290°C PM Closed cup
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 18 mm Hg (calculated) (25°C)
Relative vapour density	: No data available
Density at 20 °C	: 1.1 – 1.4 g/cm <sup>3</sup> (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	: No data available.
Oxidising properties	: No data available
Explosive limits	: No data available

**9.2. Other information**

VOC content : 0 g/l

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**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**

None determined.

**10.5. Incompatible materials**

Reducing agents. Strong acid.

**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).

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

Acute toxicity

Oral

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Glo-Leak 1390 for automotive coolants	
LD50 Oral Rat	> 2000 mg/Kg
Skin corrosion/irritation	: Not classified pH 8.6 - 9
Serious eye damage/irritation	: Not classified pH 8.6 - 9
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**

No additional information available

**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 1390 for automotive coolants	
Ecology - soil	Readily absorbed into soil.
12.5 Results of PBT assessment	
Glo-Leak 1390 for automotive coolants	
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 / ADNR / IMDG / ICAO / IATA 14.1. UN number

**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**

Not regulated

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**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: 07-07-2015

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.