

SAFTEY MATERIAL DATA SHEET

Glo-Leak Fluid

Date: 6 Sep, 2013

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Glo-Leak fluid

Common Chemical Name: Proprietary blend of ultra violet sensitive dye and oil based diluent

Nature of Product: UV-fluorescent leak detector additive for air conditioners

Company Identification

Primalec (trading division of R J Doran & Co Ltd)

Unit 1 West Kingsdown Industrial Estate

West Kingsdown

Kent TN15 6EL, England

Tel: +44 (0)1474 854417

Fax: +44 (0)1474 853968

Email: customers@primalec.co.uk

Transportation Emergency Response

0090 532 304 41 79

2. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Description: Ultra violet sensitive oil based fluorescent additive

Hazardous Component listing:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
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There are no known hazardous ingredients in this preparation

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

This product is not classified as hazardous. The following is given as precautionary guidance

Environmental: No specific hazards for health and environment known under normal use.

Human health hazards:

Eye: May irritate the eyes.

Skin: Liquid may irritate and dry the skin. Liquid may stain the skin.

Inhalation: Normal ventilation should be sufficient to prevent irritation.

Ingestion: No information regarding ingestion available.

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4. FIRST AID MEASURES

Eye contact: Flush eye with water for at 15 least minutes. Get immediate medical attention.

Skin contact: Wash immediately with soap and water. Remove contaminated clothing. Consult a doctor if irritation occurs/persists.

Inhalation: Remove victim to fresh air. Keep victim at rest. Consult a doctor if irritation occurs.

Ingestion: DO NOT induce vomiting. Wash out mouth with water. Get immediate medical attention.

Notes to doctor:

Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

5. FIRE FIGHTING MEASURES

Flammable properties: COC Flash Point: >95° C (203.0° F)
Auto-ignition Temperature: 484.4° C (903.9° F)

Extinguishing media: CO2, foam, water spray, or water fog. Note: Burning fluid may evolve irritating/noxious fumes. Recommend wearing use of approved self-contained breathing apparatus. Use water carefully to avoid violent production of steam. DO NOT spray water directly on fire. May cause frothing or splashing of hot material. Material will float on water.

Fire & explosion Hazards: Toxic fumes, gases or vapours may evolve on burning.

Fire fighting instructions: Personal Protective Equipment must be worn, see Section 8 for recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Wear appropriate personal protective equipment. Ventilate the spill area. Spillages may also be slippery.

Environmental precautions : Absorb spill with inert material (e g, dry sand or earth), then place in a Chemical waste container. Treat or dispose of waste material in accordance with all applicable EU, National and local requirements.

Disposal/Clean up Methods: If discarded in its original unused form, this product should be managed (stored/treated/disposed/etc.) at an authorized facility, in compliance with all applicable EU, National and local requirements. Contact appropriate government environmental agencies if further disposal guidance is required. It is recommended that one of the following be used, in order of preference, based upon environmental acceptability: 1) recycle or rework if at all feasible, 2) incinerate at an authorized facility, or 3) treat at a waste treatment facility.

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7. HANDLING AND STORAGE

Normal good housekeeping measures are recommended

Handling: Do not breathe vapour or get liquid in eyes or on skin or clothing. Use withadequate ventilation. Use spark-proof tools and explosion-proof equipment.
Wear appropriate protective equipment.

Keep away from all sources of ignition - heat, sparks, flame, electricity, impact and friction. No smoking. Store in a cool dry area.

Keep container tightly sealed when not in use. Product is hygroscopic and will absorb water from the air. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Special Storage precautions:

'Empty' containers may retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. 'Empty' drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with applicable EU, National and local requirements.

Special sensitivity:

This material is sensitive to moisture. Use in a well ventilated place. Avoid breathing vapours. Close the container after use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is adequate ventilation during normal use.

Hygienic measures: Product may stain the skin. When using do not eat, drink or smoke. Wash hands thoroughly after handling.

Eye / face protection: Wear safety glasses with side shields (or goggles) to eliminate risk of splashing. A face shield is recommended when handling bulk quantities of this material..

Skin protection: Wear nitrile or plastic gloves. Overalls are recommended to prevent stains to clothing or other bare areas of skin. Rubber or plastic boots should be worn when handling bulk quantities of this material..

Respiratory protection: When there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection.
Miscellaneous: No information available.

Exposure guidelines: No Information Available.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Yellow
Odour:	Mild aromatic odour
Boiling point:	Not established
Pour Point:	below -50C
Solubility in water	Insoluble
Specific gravity:	Not determined (Water = 1)

10. STABILITY AND REACTIVITY

Stability:	Stable.
Polymerization:	Hazardous polymerization will not occur.
Materials to avoid:	Avoid contact with strong oxidizing agents. Avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials that react with hydroxyl compounds.
Hazardous Decomposition:	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. Decomposition forms oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Eye:	May irritate the eyes.
Skin:	Liquid may irritate and dry the skin. Liquid may stain the skin.
Inhalation:	Normal ventilation should be sufficient to prevent irritation.
Ingestion:	No information regarding ingestion available

12. ECOLOGICAL INFORMATION

Miscellaneous:	No adverse environmental effects are to be expected when used as intended.
Mobility:	Mobile liquid, but insoluble in water.
Biodegradable:	Not readily biodegradable.
Bio accumulation:	Not expected to be bio-accumulative
Ecotoxicity:	Not expected to inhibit sewage bacteria

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Treat or dispose of waste material in accordance with all applicable EU, National and local requirements.
Recommended disposal: controlled incineration.

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14. TRANSPORTATION INFORMATION

This product is not classified as hazardous for transport

UN-Number:

Road transport: Not expected to be a problem

Maritime transport: Not expected to be a problem

Air transport: Not expected to be a problem⁴

15. REGULATORY INFORMATION

This product is not classified as hazardous

Label name: Glo-Leak UV Test Fluid

Hazard symbols: None

Risk Phrases: None

Safety Phrases: None

National Regulations: No additional national regulations are known to the supplier

16. OTHER INFORMATION

The environmental, health and safety information contained herein is given in compliance with statutory obligations and relates only to the substance/preparation described in this material safety data sheet. It does not relate to use in combination with any other material or in any process. This data sheet and the information it contains is not intended to supersede any terms and conditions of sale and does not constitute a specification, promise, representation, or warranty, whether express or implied, except to the extent required by applicable law. The environmental, health and safety information contained herein is believed to be accurate based on our current knowledge. It remains the responsibility of the customer to provide a safe workplace and to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Prepared by: Primalec (trading division of R J Doran & Co Ltd)

Unit 1 West Kingsdown Industrial Estate

West Kingsdown

Kent TN15 6EL, England

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