

SAFETY DATA SHEET according to EC Reg. 1907/2006

Ring Automotive RLD4

01 Trade name and company.

01 Trade name:

RING AUTOMOTIVE RLD4

01 Identification of the substance or preparation:

Product name: Automotive oils & fuels leak detection dye.

Product Codes: RLD4

02 Product use(s): Ultra Violet Sensitive oil-based Fluorescent additive for industrial use

03 Company:

Ring Automotive

Gelder Road, Leeds, LS12 6NA England

Telephone: +44 (0)113 2132000

02 Hazardous identification:

03 Composition/information on ingredients.

General description: Dyestuff in organic solution

This product is a preparation.

<u>Component</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>	<u>Concentration</u>	<u>Classification</u>
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	10% - < 20 %	

The classification as a carcinogen need not to apply because the substance contains less than 3 % DMSO extract as measured by IP 346.Note L of Annex 1.

04 First-aid measures.

Inhalation: Remove to fresh air. If discomfort persists, obtain medical attention.

Skin contact: Immediately wash with warm soapy water and rinse thoroughly. If persistent discomfort occurs, obtain medical attention.

Eye contact: Flush the eye immediately with water. If discomfort persists, obtain medical attention.

Ingestion: If swallowed, do not induce vomiting: contains petroleum distillates and/or aromatic solvents. If rapid recovery does not occur, obtain medical attention.

05 Fire-fighting measures.

01 Suitable extinguishing media: Water spray, carbon dioxide, dry chemical or alcohol resistant foam.

02 Unsuitable extinguishing media : Water with full jet.

03 Combustion Products: Toxic fumes, gases or vapours may evolve in case of fire.

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Ring Automotive RLD4

06 Accidental release measures.

- 01 Personal precautions :** Avoid contact with skin and eyes.
- 02 Personal protection:** Wear protective clothing specified for normal operations (see Sect. 8)
- 03 Environmental protection:** Prevent contamination of soil and water. Prevent from spreading or entering into drains or watercourses by using sand, earth or other appropriate barriers. Inform authorities in case of seepage into watercourse or sewage system.
- 04 Cleaning measures:**
- Small spillage: Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent safe disposal.
- Large spillage: Transfer to a salvage tank for recovery or safe disposal. Treat residues as for small spillages.
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07 Handling and storage.

- 01 Handling:** Use only in well ventilated areas. Avoid breathing mist or vapour from heated material.
- 02 Storage:** Store in a cool, dry place in tightly closed containers. Store away from open fire and ignition sources. For containers, mild or stainless steel.
- 03 Specific use(s):** No data available
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08 Exposure controls/personal protection

- 01 Substances with exposure limits:** n.d.a.
- 02 Occupational exposure:** The product does not contain any relevant quantities of materials with standards critical values that have to be monitored at the workplace.
- 03 Engineering exposure controls:** Local exhaust ventilation should be provided if there is risk of mist or aerosol formation.
- 04 Exposure controls/personal protection:**
- Respiratory protection:** If there is a risk of breathing mists or vapours from heated material use respiratory protection fitted with a combination filter A-P3 for short term use.
- Hand protection:** Where hand contact with the product may occur the use of gloves approved to relevant standards (eg. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC or nitrile rubber. Always seek advice from glove supplier.
- Eye protection:** Chemical splash goggles (chemical monogoggles). Approved to EU standard EN166, AS/NZS: 1337
- Body protection:** Standard issue work clothes, safety shoes/boots - chemical resistant
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09 Physical and chemical properties

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Physical form:	Liquid.
Colour/appearance:	Dark brown.
Odour:	Product characteristic.
Boiling point/boiling range:	Not known
Pour point:	<-40°C.
Melting point/melting range:	Not determined
Flash point:	> 200°C
Relative density:	0.990 g/cm ³ at 20°C (typical)
Solubility in water:	Insoluble in water.
Viscosity:	Not known

10 Stability and reactivity.

Stability:	Stable under normal conditions of use.
Materials to avoid:	Strong acids and oxidising agents.
Hazardous decomposition products:	There are no known hazardous decomposition products for this material.

11 Toxicological information.

There is no data available for this product.

Component: Distillates (petroleum), hydrotreated light naphthenic

Acute oral toxicity LD50 rat > 5 000 mg/kg

Component: Distillates (petroleum), hydrotreated light naphthenic

Acute inhalation toxicity LC50 rat 4 h 2,2 mg

Component: Distillates (petroleum), hydrotreated light naphthenic

Acute dermal toxicity LD50 rabbit >5 000 mg/kg

Component: Distillates (petroleum), hydrotreated light naphthenic

Skin irritation slight irritation

Component :Distillates (petroleum), hydrotreated light naphthenic

Eye irritation slight irritation

Component: Distillates (petroleum), hydrotreated light naphthenic

Carcinogenicity: Not classifiable as a human carcinogen.

12 Ecological information.

There is no data available for this product

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Component: Distillates (petroleum), hydrotreated light naphthenic

Elimination information (persistence and degradability)

Biodegradability Not readily biodegradable

Ecotoxicity effects:

Toxicity to fish

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96 h OECD Test Guideline 203 >5 500 mg/l

Toxicity to fish

NOEC Fathead minnow (*Pimephales promelas*) 168 h >5 000 mg/l

Toxicity to algae

EC50 Algae (*Scenedesmus subspicatus*) 96 h >1 000 mg/l

Toxicity to aquatic invertebrates

EC50 Daphnia magna 48 h >1 000 mg/l

Toxicity to aquatic invertebrates

NOEC Daphnia magna 504 h >1 000 mg/l

13 Disposal considerations.

Waste Disposal:

The European Waste Category (E.W.C) for this material is: 13-02-06.
The user must be aware that the conditions of use may affect the waste classification after use (see EU Directive 2001/118/EC).

Product:

Must not be disposed together with household rubbish. Recover or recycle if possible. Otherwise incineration product in appropriate equipment.

Containers:

Labels should not be removed from containers until they have been cleaned. Containers should be cleaned by appropriate methods and then re-used or disposal of by landfill or incineration as appropriate.
Recommended cleansing agents: water with cleansing agents is required.

14 Transport information.

Not regulated (Not Dangerous for transport under UN, IMDG, ADR, RID and IATA codes.)

15 Regulatory information.

01 EC Classification :

EC Directives 67/548/EEC and 1999/45/EC.

WGK Classification: WGK = 1 (Self-assessment).

16 Other information.

n.a. : not applicable

n.d.a. : no data available

Last revision d.d.: 18.August.2011

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from a point of view of health and safety requirements. It should not therefore be construed as guaranteeing specific properties.