

Trade name: Flat Tyre Sealant RTS4502/ RTK6

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

Trade name

Flat Tyre Sealant**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses of the substance or mixture

Tyre sealant

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Ring Automotive,
Gelderd Road, Leeds, LS12 6NA

Telephone no. +44(0)113 213 2000

Fax no. +44(0)113 231 0266

Information provided by / telephone

0113 213 7339

Advice on Safety Data Sheet

autosales@ringautomotive.com**1.4 Emergency telephone number**

0113 213 2000

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

Classification information

Not classified

2.2 Label elements

Not relevant

2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	%
1	9003-31-0	1,3-Butadiene, 2-methyl-, homopolymer	20-30%
2	9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene	10-18%
3	57-55-6	Propane-1,2-diol	30-40%
4	7732-18-5	Water	20-30%

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3.3 Other information

Non-classified substances, which are mentioned in section 3, have an occupational exposure limit (see section 8).

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and laund thoroughly before reusing.

After inhalation: If inhaled, ensure supply of fresh air and keep at rest in a comfortable position for breathing. In case of persisting adverse effects consult a physician..

After skin contact: Take off the contaminated clothes and wash the skin with soap and water.

After eye contact: Flush with running water for at least 15 minutes. If irritation persists get medical attention..

After ingestion: Rinse mouth thoroughly with water and seek medical treatment immediately.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Small fire: dry powder, foam or carbon dioxide.

Large fire: Foam.

Unsuitable extinguishing media

Not available

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Methods and material for containment and cleaning up

If there is a small amount of leakage, absorb with dry sand, soil, sawdust, cloth, etc., and then placed in a retractable container.

If a large area of oil overflow occurs, the bi enclosure and protective measures should be taken to a safe place, and then it should be properly disposed of.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours. Avoid contact with eyes and skin.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Avoid direct sunlight. Stay away from high temperature materials.

Requirements for storage rooms and vessels

Keep only in the original container. Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with foodstuffs. Do not store with combustible materials.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		
	List of approved workplace exposure limits (WELs) Guides			
	Propane-1,2-diol (CAS 57-55-6)			
	vapour & particulates			
	TWA	10mg/m ³	Aerosol	
	List of approved workplace exposure limits (WELs) / EH40			
	Propane-1,2-diol particulates			
	TWA	10	mg/m ³	

8.2 Exposure controls

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Use in a well-ventilated area.

Personal protective equipment

Respiratory protection: If the oxygen is insufficient, please wear a hose mask or anti -virus mask.

Eye / face protection: Wear protective glasses.

Skin protection: Wear corrosion -resistant gloves. Wear apron, boots, etc. Don't wear short -sleeved shirts.

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General hygiene considerations: Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
liquid	
Milky white	
Odour	
Ammonia-like	
Odour threshold	
No data available	
pH value	
Value	9.83
Boiling point / boiling range	
Value	No data available
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Value	No data available.
Auto-ignition temperature	
Remarks	>300 °c
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
1.04	
Density	
Value	- 1.04 g/cm ³

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Solubility in water	
Remarks	Emulsion solution can be diluted with water
Solubility(ies)	
No data available	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
Value	19 mPa*s

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents. Strong base

10.6 Hazardous decomposition products

No dangerous reactions known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
Propane-1,2-diol (CAS#57-55-6) LD50(Oral, Rat): 22000 mg/kg bw
Acute dermal toxicity
LD50(Dermal, Rabbit): >2000 mg/kg bw
Acute inhalational toxicity
No data available LC50(1nhalation, Rat): 44.9 mg/L,4H
Skin corrosion/irritation
No data available
Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available

EC safety data sheet

Carcinogenicity
No data available
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available

SECTION 12: Ecological information

Propane-1,2-diol (CAS#57-55-6)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LCS0	>10000 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	43500 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	24200 mg/L	72h	Algae	OECD 201	N/A	N/A

12.1 Bioaccumulative potential

No data available.

12.2 Mobility in soil

No data available.

12.3 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.4 Other adverse effects

No known significant effects or critical hazards.

12.5 Other information

Other information
. No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose of contents/container in accordance with local/regional/national/international regulations..

Packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

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

RoHS: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) Directive 2011/65/EU
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REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.
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Other regulations

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP)

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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Department issuing safety data sheet

Ring Automotive Limited
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Tel: +44(0)113 213 2000. Fax: +44(0)113 231 0266
Email: autosales@ringautomotive.com

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.