



## SAFETY DATA SHEET RADIATOR SEALER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	RADIATOR SEALER
Product number	BRS500, PRS301, RAS205, RAS301, CFR302, ZRS500
UFI	UFI: 5QPR-PDAU-EA4M-0K3S, UFI: 43QR-NDU6-6A4H-YVS9

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

Identified uses	Car maintenance product.
-----------------	--------------------------

#### 1.3. Details of the supplier of the safety data sheet

Supplier	TETROSYL EUROPE 79 rue du chemin vert 59.273 Fretin TEL: 03 20 28 06 30 qualite@tetrosyl-france.com
----------	---

Manufacturer	TETROSYL LIMITED Bury Lancashire England BL9 7NY 0161 764 5981 0161 797 5899 info@tetrosyl.com
--------------	---

#### 1.4. Emergency telephone number

Emergency telephone	+44 (0)161 764 5981 (24 hrs)
---------------------	------------------------------

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Sens. 1 - H317
Environmental hazards	Not Classified

Human health	See Section 11 for additional information on health hazards.
--------------	--

#### 2.2. Label elements

##### Hazard pictograms



## RADIATOR SEALER

<b>Signal word</b>	Warning
<b>Hazard statements</b>	H317 May cause an allergic skin reaction.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing vapour/ spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container in accordance with national regulations.
<b>UFI</b>	UFI: 5QPR-PDAU-EA4M-0K3S, UFI: 43QR-NDU6-6A4H-YVS9
<b>Contains</b>	TETRAHYDRO-1,3,4,6-TETRAKIS (HYDROXYMETHYL)IMIDAZO[4,5-D]IMIDAZOLE-2,5(1H,3H)-DIONE, 2-METHYLISOTHIAZOL-3(2H)-ONE, 2-OCTYL-2H-ISOTHIAZOL-3-ONE

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current UK criteria.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>TRIPOTASSIUM PHOSPHATE</b>		<b>1-&lt;2%</b>
CAS number: 7778-53-2		EC number: 231-907-1
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335		
<b>TETRAHYDRO-1,3,4,6-TETRAKIS (HYDROXYMETHYL)IMIDAZO[4,5-D]IMIDAZOLE-2,5(1H,3H)-DIONE</b>		<b>0.1-&lt;0.3%</b>
CAS number: 5395-50-6		EC number: 226-408-0
<b>Classification</b> Skin Sens. 1 - H317		
<b>2,2' -OXYBISETHANOL</b>		<b>0.1-&lt;0.3%</b>
CAS number: 111-46-6		EC number: 203-872-2
<b>Classification</b> Acute Tox. 4 - H302 STOT RE 2 - H373		

## RADIATOR SEALER

### 2-METHYLISOTHIAZOL-3(2H)-ONE

0.0041%

CAS number: 2682-20-4

EC number: 220-239-6

M factor (Acute) = 10

M factor (Chronic) = 1

Corrosive to the respiratory tract.

May cause an allergic skin reaction. This substance has specific concentration limits.  $\geq 0.0015$ 

#### Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 2 - H330

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Skin Sens. 1A - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

### 2-OCTYL-2H-ISOTHIAZOL-3-ONE

0.002%

CAS number: 26530-20-1

EC number: 247-761-7

M factor (Acute) = 100

M factor (Chronic) = 100

Corrosive to the respiratory tract.

May cause an allergic skin reaction. This substance has specific concentration limits.  $\geq 0.0015$ 

#### Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 2 - H330

Skin Corr. 1 - H314

Eye Dam. 1 - H318

Skin Sens. 1A - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Get medical attention if any discomfort continues.
<b>Ingestion</b>	Consult a physician for specific advice.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
----------------------------	---

## RADIATOR SEALER

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Blistering may occur.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. May cause blurred vision and serious eye damage.

### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
-------------------------------------	---

### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	Leave danger zone immediately.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.
-----------------------------	--

### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Collect and dispose of spillage as indicated in Section 13.
----------------------------------	---

### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	For waste disposal, see Section 13. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material.
--------------------------------	---

### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see section 13.
------------------------------------	---

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.
--------------------------	--

### **7.2. Conditions for safe storage, including any incompatibilities**

## RADIATOR SEALER

**Storage precautions** Keep containers upright. Store in tightly-closed, original container.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limits known for ingredient(s).

### 2,2' -OXYBISETHANOL

Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

All handling should only take place in well-ventilated areas.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

#### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 9.0-11.2
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	>100°C @ 1013 hPa
<b>Flash point</b>	>100°C
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.

## RADIATOR SEALER

Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.05g/cm <sup>3</sup> @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	<200 cSt @ 20°C
Oxidising properties	Not available.

### 9.2. Other information

Other information	None.
-------------------	-------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	The following materials may react strongly with the product: Alkaline earth metals. Powdered metal.
------------	---

### 10.2. Chemical stability

Stability	No particular stability concerns.
-----------	-----------------------------------

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable.
------------------------------------	-----------------

### 10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
---------------------	---

### 10.5. Incompatible materials

Materials to avoid	Alkali metals. Powdered metal.
--------------------	--------------------------------

### 10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
----------------------------------	---

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological effects	No information available.
Ingestion	No specific health hazards known.
Skin contact	Prolonged and frequent contact may cause redness and irritation. May cause an allergic skin reaction.
Eye contact	May cause temporary eye irritation.
Acute and chronic health hazards	Because of the product's quantity and composition, the health hazard is regarded as low.

## SECTION 12: Ecological information

## RADIATOR SEALER

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

#### Acute aquatic toxicity

**Acute toxicity - fish** Not available.

**Acute toxicity - aquatic invertebrates** Not available.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### 12.4. Mobility in soil

**Adsorption/desorption coefficient** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not applicable.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

## **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

## RADIATOR SEALER

### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	Regulatory Department
<b>Revision date</b>	20/07/2022
<b>Revision</b>	21
<b>Supersedes date</b>	01/07/2022
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.