

Productname : RADIATOR SEALER
Ref.Nr.: 51044

Creationdate : 22.05.14 Version : 1.0
Replaces:

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

1.1. Product identifier

RADIATOR SEALER

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

Additives

1.3. Details of the supplier of the safety data sheet

Rymax B.V.
Delweg 8
6902 P evenaar
The Netherlands
Tel.: +31(0)316 740 856
Fax.: +31(0)316 740 844
E-mail : info@rymax-lubricants.com

1.4. Emergency telephone number

Tel.: +31(0)316 740 856 (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Not classified
Health:	Not classified
Environment:	Not classified
Other hazards :	Contains: 1,2-benzisothiazol-3(2H)-one May produce an allergic reaction.

Classification according to 67/548/EEC or 1999/45/EC:

Health:	Not classified
Physical:	Not classified
Environment:	Not classified
Other hazards :	Not classified

2.2. Label elements

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Labelling according to Regulation (EC) No 1272/2008

None

P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information:

Contains:
1,2-benzisothiazol-3(2H)-one
May produce an allergic reaction.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
potassium hydroxide; caustic potash	1310-58-3	215-181-3	<0.5	Xn,C	22-35	B
Explanation notes						
B : substance with national established workplace exposure limit						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
potassium hydroxide; caustic potash	01-2119487136-33	1310-58-3	215-181-3	<0.5	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A	H290,H302,H314	B
Explanation notes							
B : substance with national established workplace exposure limit							

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	If substance has got into eyes, immediately wash out with plenty of water for several minutes Seek medical attention if irritation persists
Contact with skin :	Wash with water and soap. Seek medical attention if irritation persists
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	If swallowed do not induce vomiting Seek medical advice

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

Inhalation :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	May produce an allergic reaction. May cause irritation. Symptoms : redness and pain
Eye contact :	May cause irritation. Symptoms : redness and pain

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

General Advice : If you feel unwell, seek medical advice (show the label where possible)
If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

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For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only in well ventilated areas
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place
Keep out of reach of children.

7.3. Specific end use(s)

Additives

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

No information available

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product.
	Ensure adequate ventilation
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
hands and skin :	Wear suitable protective gloves against chemicals (nitrile)
eyes :	Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state :	Liquid.
colour :	Brown.
odour :	Characteristic odor.
pH :	6 - 8

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Boiling point/range : > 100 °C
Flash point : none
Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 1.025 g/cm³ (@ 20°C).
Solubility in water : Soluble in water
Auto-ignition : > 200 °C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : May cause gastrointestinal disturbances
Skin contact : May cause irritation.
May produce an allergic reaction.
Eye contact : May cause irritation.

Toxicological data :

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Hazardous ingredient	CAS-nr.	method	
potassium hydroxide; caustic potash	1310-58-3	LD50 oral rat	333 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
potassium hydroxide; caustic potash	1310-58-3	LC50 fish	80 mg/l

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

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UN-number : Not classified as hazardous for transport

14.2. UN proper shipping name

Proper shipping name: Not applicable.

14.3. Transport hazard class(es)

Class: Not applicable.
ADR/RID - Classification code: Not applicable.

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: Not applicable.
IMDG - Ems: Not applicable.
IATA/ICAO - PAX: Not applicable.
IATA/ICAO - CAO: Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R22: Harmful if swallowed.

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R35: Causes severe burns.
*Explanation hazard statements: H290 : May be corrosive to metals.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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