

## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name: Sentinel Leak Sealer Rapid-Dose  
Chemical Name: Mixture.

CAS No.: -  
EC No.: -

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

Identified use(s): Leak sealer for central heating systems

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

Company Identification: SENTINEL PERFORMANCE SOLUTIONS LTD

The Heath Business & Technical Park  
Runcorn  
Cheshire  
WA7 4QX  
United Kingdom

Telephone: +44 (0) 1928 588 330 (office hours, Monday - Friday)

Fax: +44 (0) 01928 588 368

E-Mail (competent person): [info.uk@sentinel-solutions.net](mailto:info.uk@sentinel-solutions.net)

#### 1.4 Emergency telephone number

Emergency Phone No. (24 h): +44 (0) 1928 588 339 (24 hours/ 7 days)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (CLP)

Not classified.

According to Directive 67/548/EEC & Directive 1999/45/EC

Not classified.

#### 2.2.1 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s): None.

Signal word(s): None.

Hazard statement(s): None.

Precautionary statement(s): None.

Supplemental Hazard Information: None.

#### 2.2.2 Label elements

According to Directive 67/548/EEC & Directive 1999/45/EC

Hazard pictogram(s): None.

Hazard Symbol: None.

Risk Phrases: None.

Safety Phrases: S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

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### Special labelling for aerosols:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

Pressurized container: Do not pierce or burn, even after use.

### 2.3 Other hazards

May cause eye irritation. Repeated and/or prolonged skin contact may cause irritation. Ingestion may cause irritation of the gastrointestinal tract.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard symbol(s) and hazard statement(s)
Contains no hazardous ingredients	-	-	-	-	-

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Symbol and Risk Phrases
Contains no hazardous ingredients	-	-	-	-	-

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation:

Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.

Skin Contact:

Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. If symptoms persist, obtain medical attention. Contaminated clothing should be thoroughly cleaned.

Eye Contact:

If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion:

Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. If symptoms persist, obtain medical attention.

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

May cause eye irritation. Repeated and/or prolonged skin contact may cause irritation. Ingestion may cause irritation of the gastrointestinal tract.

### 4.3 Indication of the immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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### 5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media**  
Suitable Extinguishing Media: Water spray, foam, dry powder or CO2  
Unsuitable Extinguishing Media: Do not use water jet.
- 5.2 Special hazards arising from the substance or mixture**  
May give off toxic fumes in a fire. Carbon monoxide, Carbon dioxide.  
Heating of containers may cause pressure rise, with risk of bursting.
- 5.3 Advice for fire-fighters**  
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep fire exposed containers cool by spraying with water.

### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable protective clothing and gloves. (See Section: 8). Contaminated clothing should be thoroughly cleaned.
- 6.2 Environmental precautions**  
Large spillages: Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up**  
Physically collect containers.  
Liquid-Content: Adsorb spillages onto sand, earth or any suitable adsorbent material. Wash spill area with soapy water.
- 6.4 Reference to other sections**  
Personal Protection: See Section: 8.
- Other advice**  
None.




### 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**  
Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section: 8).  
Do not eat, drink or smoke at the work place. Wash hands and exposed skin after use. Contaminated clothing should be thoroughly cleaned.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep away from heat and sources of ignition. Keep from direct sunlight. Keep away from frost. Keep only in the original container in a cool, well-ventilated place.  
Storage temperature (°C): < 50
- 7.3 Specific end use(s)**  
Leak sealer for central heating systems

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	No Occupational Exposure Limit assigned.
<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.
<b>8.2.2 Personal Protection</b>	
Eye/face protection	Goggles giving complete protection to eyes. (EN 166)
	
Skin protection	Protective gloves. Nitrile rubber. (EN 374)
	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. (EN 141)
	
Other:	Apron or other light protective clothing, boots and plastic or rubber gloves.
<b>8.2.3 Environmental Exposure Controls</b>	Avoid release to the environment.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance:	Aerosol spray can - Contains: Emulsion.
Colour:	White.
Odour:	Slight.
Boiling Point (°C):	Ca. 100
Melting Point (°C):	0
pH (Value):	7.0
Bulk Density:	1000 kg/m <sup>3</sup>
Solubility (Water):	Dispersible in water.
<b>9.2 Other information</b>	No data.

### 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No information available.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No information available.
<b>10.4 Conditions to avoid</b>	Keep away from heat, sources of ignition and direct sunlight.
<b>10.5 Incompatible materials</b>	None known. Do not allow material to freeze.
<b>10.6 Hazardous Decomposition Product(s)</b>	May give off toxic fumes in a fire. Carbon monoxide, Carbon dioxide.



EXPERTS IN ENERGY EFFICIENCY

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### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Acute toxicity:

Ingestion:	LD <sub>50</sub> (oral/rat): >2000 mg/kg
Inhalation:	No information available.
Skin Contact:	LD <sub>50</sub> (dermal/rabbit): > 2000 mg/kg
Eye Contact:	No information available.

##### Hazard label(s):

Repeated and/or prolonged skin contact may cause irritation.

##### Serious eye damage/irritation:

May cause eye irritation.

##### respiratory or skin sensitization:

No information available.

##### Mutagenicity:

No information available.

##### Carcinogenicity:

No information available.

##### Reproductive toxicity:

No information available.

##### STOT-single exposure:

No information available.

##### STOT-repeated exposure:

No information available.

##### Aspiration hazard:

No information available.

##### Other information:

No information available.

### 12. ECOLOGICAL INFORMATION

12.1 Toxicity	No information available.
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available.
12.5 Results of PBT and vPvB assessment	No information available.
12.6 Other adverse effects	No information available.

### 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, state or national legislation.
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### 14. TRANSPORT INFORMATION

14.1 UN number	1950
14.2 Proper Shipping Name	AEROSOLS
14.3 Transport hazard class(es)	2
14.4 Packing Group	Not applicable.
14.5 Environmental hazards	None.
14.6 Special precautions for user	See Section: 2.2
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
<b>Modal information:</b>	
<b>Land transport:</b>	
Proper Shipping Name:	ADR
Transport - Hazard label(s):	AEROSOLS
ADR/RID Class:	2.2 Non-flammable, non-toxic , Gas
Packing Group:	2
HIN:	Not applicable.
EAC:	None.
Limited Quantity:	None.
<b>Sea transport:</b>	1 litre
Proper Shipping Name:	IMDG
Transport - Hazard label(s):	AEROSOLS
	2.2 Non-flammable, non-toxic , Gas

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IMO-IMDG Class:	2
Packing Group:	Not applicable.
EmS:	F-D, S-U
Marine Pollutant:	No.
Limited Quantity:	1 litre
<b>Air transport:</b>	ICAO/IATA
Proper Shipping Name:	AEROSOLS, Non-flammable
Transport - Hazard label(s):	2.2 Non-flammable, non-toxic , Gas
ICAO/IATA Class:	2
Packing Group:	Not applicable.
ERG:	2L
Packing instruction (cargo aircraft):	Y203, 203
Packing instruction (passenger aircraft):	Y203, 203
Max. Net qty/ package:	Packing instruction (cargo aircraft): 150 kg Packing instruction (passenger aircraft): 75 kg (30 kg non-UN Packaging.)
Limited Quantity:	1 litre

### 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006., Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.
- 15.1 Chemical Safety Assessment** -

### 16. OTHER INFORMATION

Full text of Hazard statements and Risk phrases for pure substances listed in section 3.

Revision: 002

Date of Issue: 17 June 2011

The following sections contain revisions or new statements: 2, 5, 6, 7, 9, 14

**Hazard Symbol:** None.  
**Risk Phrases:** None.  
**The following sections contain revisions or new statements:** 1-16.

#### Abbreviations:

CAS = Chemical Abstracts Service;

CNS = Central Nervous System;

EINECS = European Inventory of Existing Commercial Chemical Substances;

EC50 = Effective Concentration 50%;

IARC = International Agency for Research on Cancer;

IC50 = Inhibitory Concentration 50%;

LC50 = Lethal Concentration 50%;

LD50 = Lethal Dose 50%;

LTEL = Long Term Exposure Limit;

STEL = Short Term Exposure Limit;

TWA = Time Weighted Average;

#### References:



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**Disclaimer:**

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