



SAFETY DATA SHEET

Issuing Date 01/06/17

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Version 2.4

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name Sentinel Leak Sealer Rapid-Dose
Pure substance/mixture Mixture.

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

Recommended Use Leak sealer for central heating systems.

Uses advised against None known.

1.3 Details of the supplier of the safety data sheet

Company Information SENTINEL PERFORMANCE SOLUTIONS LTD

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WA4 4BS
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E-mail Address info.uk@sentinelprotects.com

1.4 Emergency telephone

Emergency telephone +44 (0) 1928 704 339 (24 hours/ 7 days)

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not classified

2.2 Label elements

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

Signal Word

None

Hazard Statements

None.

Precautionary statements

None

Additional Labeling

Special labelling for aerosols: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

2.3 Other hazards

May cause skin and eye irritation. Ingestion may cause irritation of the gastrointestinal tract.

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Contains no hazardous ingredients.

For the full text of H-Statements see Section 16

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms develop obtain medical attention.
Skin contact	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. If symptoms develop obtain medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth with water and give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.
Inhalation	Remove patient from exposure, keep warm and at rest. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms	May cause skin and eye irritation. Ingestion may cause irritation of the gastrointestinal tract.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray, dry chemical, carbon dioxide (CO₂), or foam.

5.2 Special hazards arising from the substance or mixture

Exposure to heat may cause bursting of the aerosol containers. Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear. Cool containers / tanks with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Use personal protective equipment.

6.2 Environmental precautions

Not required

6.3 Methods and materials for containment and cleaning up

Physically collect containers. In case of liquid spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Remove and wash contaminated clothing before re-use.

Do not eat, drink or smoke during work. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Protect from frost, heat and sunlight. Keep only in the original container/package in a cool well-ventilated place below 50 °C.

7.3 Specific end use(s)

Leak sealer for central heating systems.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection	Goggles (EN 166)
Hand Protection	Protective gloves (EN 374)
Skin and body protection	Long sleeved clothing
Respiratory protection	Not normally required. In case of insufficient ventilation wear suitable respiratory equipment

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls Not required

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol can containing: Emulsion
Odor	Slight
Color	White
Odor Threshold	No information available

Property Values

pH	7.0
Melting/freezing point	0 °C
Freezing Point	
Boiling point/boiling range	Ca. 100 °C

Remarks • Methods

No information available

Sentinel Leak Sealer Rapid-Dose

Flash Point		Not flammable
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Flammability Limits in Air		Not flammable
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density	1	
Water solubility		Dispersible in water
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Auto-ignition temperature		Not flammable
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	Not explosive	
Oxidizing properties	Not oxidizing	

9.2 Other information

No information available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon monoxide (CO). Carbon dioxide (CO₂).

Section 11: TOXICOLOGICAL INFORMATION

Inhalation	No known effect based on information supplied.
Eye contact	May cause eye irritation.
Skin contact	May cause skin irritation.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract.

11.1 Information on toxicological effects

Sentinel Leak Sealer Rapid-Dose

Acute toxicity

LD50 Oral: > 2000 mg/kg (rat)
LD50 Dermal: > 2000 mg/kg (rabbit)

Skin corrosion/irritation Based on available data, classification criteria are not met.

Serious eye damage/irritation Based on available data, classification criteria are not met.

Respiratory or skin sensitisation Based on available data, classification criteria are not met.

Mutagenicity Based on available data, classification criteria are not met.

Carcinogenicity Based on available data, classification criteria are not met.

Reproductive toxicity Based on available data, classification criteria are not met.

STOT - Single exposure Based on available data, classification criteria are not met.

STOT - Repeated exposure Based on available data, classification criteria are not met.

Aspiration hazard Based on available data, classification criteria are not met.

Other information No information available.

Section 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

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products Disposal should be in accordance with local, state or national legislation.

Contaminated packaging Clean container with water. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: TRANSPORT INFORMATION

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)	2	2	2
14.4 Packing group	N/A	N/A	N/A
14.5 Environmental Hazards	None	None	None
14.6 Special precautions for user		None	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		N/A	
Modal information:			
Land transport:	ADR		
Proper Shipping Name:	AEROSOLS		
Transport - Hazard label(s):	2.2 Non-flammable, non-toxic , Gas		
ADR/RID Class:	2		
Packing Group:	Not applicable.		
HIN:	None.		
EAC:	None.		
Limited Quantity:	1 litre		
Sea transport:	IMDG		
Proper Shipping Name:	AEROSOLS		
Transport - Hazard label(s):	2.2 Non-flammable, non-toxic , Gas		
IMO-IMDG Class:	2		
Packing Group:	Not applicable.		
EmS:	F-D, S-U		
Marine Pollutant:	No.		
Limited Quantity:	1 litre		
Air transport:	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		

Sentinel Leak Sealer Rapid-Dose

Packing instruction (passenger aircraft): 75 kg (30 kg non-UN Packaging.)
1 litre

Limited Quantity:

Section 15: REGULATORY INFORMATION

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

This safety data sheet complies with the requirements of Regulations (EC) No. 1907/2006 and No. 830/2015.

15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been carried out.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

None.

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Revision Note All sections.

Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures.