

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Form : Mixture
Product Name : Leak Sealer – XP-LS
Product Code : XP-LS
Type of Product : Liquid dispersed in liquid (emulsion)

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

1.2.1 Relevant identified uses

Industrial/Professional Use Spec : Industrial
For professional use only
Use of the substance/mixture : Central heating system cleaner

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Expert Range
Old Bank, The Triangle, Poulton,
BS32 7LE Bristol – United Kingdom
T: 0044 2036 273720 – F: 0044 8727 433720
support@expertrange.co.uk – www.expertrange.co.uk

1.4 Emergency telephone number

Emergency number : 0044 2036 273720

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not Classified.

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

Not Classified.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other Hazards

No additional information available

Section 3: Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Polydimethyl-siloxane		< 10	Not classified	Not classified
dazomet (ISO), tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	(CAS No) 533-74-4 (EC no) 208-576-7 (EC index no) 613-008-00-X	< 1	Xn; R22 Xi; R36 N; R50/53	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-phrases: see section 16

Section 4: First Aid Measures

4.1 Description of first aid measures

- First aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. (Show the label where possible.)
- First aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
- First aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. If even minor quantity swallowed, give lukewarm water (1/2 litre).

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after eye contact : Slight irritation. Avoid prolonged or repeated contact with skin.
- Symptoms/injuries after ingestion : May cause slight irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

Section 5: Firefighting Measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products (In case of fire) : Nitrogen oxides (NOx) and sulphur oxides. Carbon monoxide. Carbon dioxide.

5.3 Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from Direct sunlight. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Heat sources.

Storage temperature : $\geq 5\text{ }^{\circ}\text{C}$

Storage area : Protect from freezing.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Personal protective equipment : Gloves. Protective goggles. Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.



Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid.

Appearance : Water-white liquid below 26 °C.

Colour : White.

Odour : Slight.

Odour threshold : No data available.

pH : 7 – 8.

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : No data available.

Freezing point : No data available.

Boiling point : No data available.

Flash point : No data available.

Self ignition temperature : No data available.

Decomposition temperature : No data available.

Flammability (solid, gas)	: Non-flammable.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: 1.
Solubility	: In water, the material disperses.
Log Pow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

9.2. *Other information*

No additional information available.

SECTION 10: Stability and Reactivity

10.1. *Reactivity*

No additional information available.

10.2. *Chemical stability*

Stable under normal conditions.

10.3. *Possibility of hazardous reactions*

Not established.

10.4. *Conditions to avoid*

Direct sunlight. Extremely high or low temperatures.

10.5. *Incompatible materials*

Strong acids. Strong bases.

10.6. *Hazardous decomposition products*

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information

11.1. *Information on toxicological effects*

Acute toxicity : Not classified.

Skin corrosion/irritation	: Not classified. Based on available data, the classification criteria are not met. pH: 7 – 8
Serious eye damage/irritation	: Not classified. Based on available data, the classification criteria are not met. pH: 7 – 8
Respiratory or skin sensitisation	: Not classified. Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified. Based on available data, the classification criteria are not met.
Specific target organ toxicity: (Single exposure)	: Not classified. Based on available data, the classification criteria are not met.
Specific target organ toxicity (Repeated exposure)	: Not classified Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified. Based on available data, the classification criteria are not met.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

12.1. Toxicity

No additional information available.

12.2. Persistence and degradability

System Leak Sealer – XP-LS	
Persistence and degradability	Contains non readily biodegradable component(s).

12.3. Bioaccumulative potential

System Leak Sealer – XP-LS	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

System Leak Sealer – XP-LS	
PBT: not relevant – no registration required	

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations : In a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport Information

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

No dangerous goods in sense of transport regulations.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

Transport hazard class(es) (ADR) : Not applicable

Transport hazard class(es) (IMDG) : Not applicable

Transport hazard class(es) (IATA) : Not applicable

Transport hazard class(es) (ADN) : Not applicable

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

No data available.

14.6.2. Transport by sea

No data available.

14.6.3. Air transport

No data available.

14.6.4. Inland waterway transport

Not subjected to AND : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory Information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Contains no substances with Annex XVII restrictions.

System Leak Sealer is not on the REACH Candidate List.

Contains no REACH candidate substance.

Contains no REACH Annex XIV substances.

15.1.2. National regulations**Germany**

Water hazard class (WGK) : 3 - Strongly hazardous to water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other Information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R22	Harmful if swallowed
R36	Irritating to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.