

SAFETY DATA SHEET
(POLAR) LEAK SEALER CLEAR (AEROSOL)

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Revision No: 2

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

1.1. Product identifier

Product name: (POLAR) LEAK SEALER CLEAR (AEROSOL)

Product code: HC8442

Synonyms: HC8442 / POLAR

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

Use of substance / mixture: Aerosol clear lacquer.

1.3. Details of the supplier of the safety data sheet

Company name: LIQUID SCIENCE SOLUTIONS LIMITED

Bentley Wood Way

Network 65 Business Park

Hapton, Burnley

Lancashire

BB11 5ST

Tel: 01282 831251

Fax: 01282 450456

Email: info@liquidscience.co.uk

1.4. Emergency telephone number

Emergency tel: 0777 342 9963

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Aerosol 1: H222; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336; -: EUH066; -: H229

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Label elements:

Hazard statements: EUH066: Repeated exposure may cause skin dryness or cracking.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

[cont...]

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H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard



Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Haz. ingredients (label): Contains:
ACETONE
XYLENE (MIXED ISOMERS)
METHOXY METHYLETHYL ACETATE
LIQUIFIED PETROLEUM GAS PROPELLANT

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

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ACETONE - REACH registered number(s): 01-2119471330-49-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	30-50%

BUTANE, <0.1% 1,3 BUTADIENE - REACH registered number(s): 01-2119474691-32-XXXX

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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PROPANE, <0.1% 1,3 BUTADIENE - REACH registered number(s): 01-2119486944-21-XXXX

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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XYLENE (MIXED ISOMERS) - REACH registered number(s): 01-2119-9488-216-32-XXXX

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H312+H332; STOT RE 2: H373; STOT SE 3: H335; Asp. Tox. 1: H304; Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Eye Irrit. 2: H319	10-30%
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METHOXY METHYLETHYL ACETATE - REACH registered number(s): 01-2119475791-29-XXXX

203-603-9	108-65-6	-	Flam. Liq. 3: H226; Eye Irrit. 2: H319	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

[cont...]

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back. Aerosol cans may explode during a fire, giving a high speed projectile.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition. Cover leaking can until the discharge has stopped, before attempting cleanup operations.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight.

[cont...]

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7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACETONE

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m ³	3620 mg/m ³	-	-

BUTANE, <0.1% 1,3 BUTADIENE

UK	1450 mg/m ³	1810 mg/m ³	-	-
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PROPANE, <0.1% 1,3 BUTADIENE

UK	Asphyxiating	Asphyxiating	-	-
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XYLENE (MIXED ISOMERS)

EU	50ppm	100ppm	-	-
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METHOXY METHYLETHYL ACETATE

UK	274 mg/M ³	548 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Colourless

Odour: Solvents,mixed.

Evaporation rate: Moderate

Solubility in water: Insoluble

[cont...]

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Viscosity: Non-viscous	Flammability limits %: lower: 0.9
Boiling point/range°C: Not applicable.	Flash point°C: -40
upper: 12.0	Autoflammability°C: >230
Part.coeff. n-octanol/water: Not applicable.	Relative density: Not applicable.
Vapour pressure: Not applicable.	VOC g/l: No data available.
pH: Not applicable.	

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

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XYLENE (MIXED ISOMERS)

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>5000	ppmV

METHOXY METHYLETHYL ACETATE

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ACETONE

BLUEGILL (<i>Lepomis macrochirus</i>)	LC50	8300	mg/l
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XYLENE (MIXED ISOMERS)

ALGAE	72H IC50	2.2	mg/l
Daphnia magna	48H EC50	2930-4400	µg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	4200	µg/l

[cont...]

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METHOXY METHYLETHYL ACETATE

Daphnia magna	48H EC50	400-500	mg/l
FISH	96H LC50	100-180	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. Volatile. Insoluble in water. Floats on water. Vapour is heavier than air.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Recycling/reclamation of metals and metal compounds.

Waste code number: 16 05 05

Disposal of packaging: Dispose of as normal industrial waste. Empty cans must not be burned because of explosion hazard.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

[cont...]

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14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

All substances in this preparation are registered within UK/EU/EFTA countries under the REACH (UK/EC) (amended) regulations, EC 1907/2006

IMPORTANT NOTE:

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated.

H304: May be fatal if swallowed and enters airways.

H312+H332: Harmful in contact with skin or if inhaled

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

[cont...]

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H336: May cause drowsiness or dizziness.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.