Material Safety Data Sheet

Safety Data Sheet according to regulation (EC) No1907/2006, (EU) 2015/830, 1272/2008(CLP) & 453/2010
Date revised : 01.06.23 Revision : 01
Product : LT822 Low Strength Threadlocker

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

1.1 Product Identifier

Product name	: abic Low Strength Threadlocker LT822
REACH notes	: Substances contained in this product that are not classified as hazardous have been/will be registered for UK/EU REACH at the appropriate time.

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

Identified use	: PC1, Adhesives, sealants
Uses advised against	: No other uses

1.3 Details of the supplier of the safety data sheet

Company identification	Glassbond (NW) Ltd West Side Industrial Estate Jackson Street St. Helens Merseyside WA9 3AT United Kingdom
Telephone	+44(0)1744 730334
Fax	+44(0)1744 451661
Email	technical@glassbond.co.uk

1.4 Emergency telephone number: +44(0)1744 730334 (GMT, English spoken, Mon-Friday; 08.30-16.30)

Section 2: Hazard Identification

2.1 Classification of the mixture:

Regulation (EC) No. 1272/2008(CLP)
Eye Irrit. 2: H319; STOT SE3: H335
Most important adverse effects:
May cause respiratory irritation. Causes serious eye irritation.

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

GHS07: Harmful

Contains: cumene hydroperoxide

Signal Word(s)	Warning
Hazard Statement(s)	H319: Causes serious eye irritation. H335: May cause respiratory irritation.
Precautionary Statement(s)	P101: If medical advice is needed, have product container or label to hand. P102: Keep out of reach of children. P261: Avoid breathing vapours. P271: Use only outdoors or in a well-ventilated area. P405: Store locked up. P501: Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other Hazards
This product is not identified as a PBT/vPvB substance

Section 3: Composition/Information on Ingredients

3.2 Hazardous ingredients:

Cumene Hydroperoxide – REACH registered number(s): 01-2119475796-19

EINECS	CAS	PBT/WEL	CLP Classification	Percent
201-254-7	80-15-9	-	Org. Perox. E: H242; Acute Tox. 3: H331; Acute Tox. 4:H312; Acute Tox. 4:H302; STOT RE 2:H373; Skin Corr. 1B:H314; Aquatic Chronic 2: H411	0.5-2.5

N, N-Dimethyl-p-Toluidine – REACH registered number(s): 01-2119937766-23

202-805-4	99-97-8	-	Acute Tox. 3: H301; Acute Tox. 3:H311; Acute Tox. 3:H331; STOT RE 2:H373; Aquatic Chronic 3:H412	0.1-1.0

1-Acetyl-2-Phenylhydrazine – REACH registered number(s): Not available

-	114-83-0	-	Acute Tox. 3: H301; Skin Irrit. 2:H315; Eye Irrit. 2:H319; Skin Sens. 1:H317; STOT SE 3: H335	0.1-1.0

2,2′ (4-methylphenylimino) Diethanol – REACH registered number(s): Not available

221-359-1	3077-12-1	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1:H317; Aquatic Chronic 3:H412	0.1-1.0

Hydroquinone Monomethyl Ether – REACH registered number(s): 01-2119541813-40

205-769-8	150-76-5	-	Acute Tox 4: H302; Eye Irrit. 2:H319; Skin Sens. 1: H317	0.1-1.0

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation — Move the exposed person to fresh air. Get medical attention if any discomfort continues.

Eyes — Remove any contact lenses and open eyelids wide apart. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

Skin — Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Get medical attention promptly if symptoms occur after washing.

Ingestion — Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation — May cause respiratory irritation.

Eyes — May cause serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment — No specific recommendations. Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media — Extinguish with foam, carbon dioxide, dry powder or water. Do not use water jet, as this will spread the fire.

5.2	Special hazards arising from the mixture	In combustion toxic and obnoxious fumes may be released.
5.3	Advice for fire fighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures
Wear protective clothing as described in Section 8 of this safety data sheet. Ventilate area.

6.2 Environmental Precautions
Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

6.4 Reference to other sections
Refer to sections 8 and 13 of SDS.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Handling requirements	Avoid contact with skin and eyes. Use outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/spray. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store in original container in a secure, well-ventilated area. Keep container tightly closed. Oxidising agent.

7.3 Specific end use(s) Adhesive.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Hydroquinone Monomethyl Ether (150-76-5)	
OEL TWA	5 mg/m^3
DNEL (Workers)	
Acute – systemic effects, inhalation	10 mg/m^3
Long-term - systemic effects, inhalation	3 mg/m³
PNEC	
Water Freshwater	0.0136 mg/l
Water Marine water	0.00136 mg/l
Sediment Freshwater	0.125 mg/Kg dwt
Sediment Marine water	0.0125 mg/Kg dwt
Soil	0.017 mg/Kg dwt
Sewage treatment plant	10 mg/l

Cumene Hydroperoxide (80-15-9)	
OEL TWA	1 mg/m^3
DNEL (Workers)	
Long-term - systemic effects, inhalation	6 mg/m³
PNEC	
Water Freshwater	0.0031 mg/l
Water Marine water	0.00031 mg/l
Sediment Freshwater	0.023 mg/Kg dwt
Sediment Marine water	0.0023 mg/Kg dwt
Soil	0.029 mg/Kg dwt
Sewage treatment plant	0.35 mg/l

2,2'(4-Methylphenylimino)Diethanol (3077-12-1)	
DNEL (Workers)	
Long-term - systemic effects, dermal	0.47 mg/Kg body weight/day
Long-term - systemic effects, inhalation	3.29 mg/m³
PNEC	
Water Freshwater	0.0264 mg/l
Water Marine water	0.00264 mg/l
Sediment Freshwater	0.1214 mg/Kg dwt
Sediment Marine water	0.0121 mg/Kg dwt
Soil	0.0088 mg/Kg dwt
Sewage treatment plant	10 mg/l

8.2 Exposure controls

Engineering controls	Normal (mechanical) room ventilation should be adequate for small volumes. For higher volume activities, or if needed for worker comfort, local mechanical exhaust should be provided.
Eye/face protection	Use approved safety goggles or face shield. Personal eye protection should conform to EN166.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. Gloves should conform to EN 374. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 0.5 hours. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 8 hours. The breakthrough time for any glove material may be different for different glove manufacturers. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
Other skin and body protection	Uniforms, coveralls, or a lab coat should be worn.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated. Use of good industrial hygiene practices is required.

Respiratory protection	Ensure adequate ventilation of the working area. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Organic vapour filter. Type A. (EN14387)

Section 9: Physical and Chemical Properties

Appearance	Liquid	Colour	Pale
Odour	Characteristic	Odour threshold ppm	Not Available
pH Value	Not applicable	Relative Density	1.05 g/ml
Melting Point/freezing pt	Not applicable	Solubility in Water @ 20°C	Not available
Initial Boiling Point/Range	Not applicable	Partition Coefficient (n-octanol/water)	Not available
Flashpoint °C	>93°C		
Explosive Limits	Not applicable	Auto ignition temperature	Not available
Flammability (solid/gas)	Not applicable	Decomposition temperature °C	Not available
Upper explosive limit	Not Available	Viscosity mPa.s @ 25°C	1200 - 1500
Lower explosive limit	Not Available	Vapour pressure	Not applicable
Vapour density (air=1)	Not Available		

Section 10: Stability and Reactivity

10.1	Reactivity	This product is non-reactive under normal conditions of use, storage and transport.
10.2	Chemical Stability	Stable under normal conditions.
10.3	Possibility of Hazardous reactions	There are no known reactivity hazards associated with this product.
10.4	Conditions to Avoid	None under recommended storage and handling conditions. Refer to section 7 of the SDS.
10.5	Incompatible materials	Strong oxidising agents.
10.6	Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

Toxicological effects	The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Acute Toxicity (oral)	Not Classified.

Acute Toxicity (dermal)	Not Classified.
Acute Toxicity (inhalation)	Not Classified.

Hydroquinone Monomethyl Ether (150-76-5)	
LD50 oral – rat	>2,000 mg/Kg bodyweight
LD50 dermal – rabbit	>2,000 mg/Kg bodyweight

2,2'(4-Methylphenylimino) Diethanol (3077-12-1)	
LD50 oral – rat	959 mg/Kg bodyweight
LD50 dermal – rabbit	>2,000 mg/Kg bodyweight

Cumene Hydroperoxide (80-15-9)	
LC50 inhalation – rat	220 ppm
Skin corrosion/irritation - animal	Not classified
STOT – repeated exposure	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	Not classified

N,N-Dimethyl-P-Toluidine (99-97-8)	
LD50 oral – rat	1650 mg/Kg bodyweight
LD50 dermal – rabbit	>2,000 mg/Kg bodyweight
LC50 inhalation – rat	1.4 mg/l
pH	7.44
Serious eye damage/irritation	Causes serious eye irritation
Respiratory sensitisation	Not classified
Skin sensitisation	Not classified
Carcinogenicity	Not classified
Reproductive toxicity – fertility	Not classified
STOT – single exposure	May cause respiratory irritation
STOT – repeated exposure	May cause damage to organs through prolonged or repeated exposure

1-acetyl-2-phenylhydrazine (114-83-0)	
STOT – single exposure	May cause respiratory irritation
STOT – repeated exposure	Not classified

Section 12: Ecological Information

12.1 Ecotoxicity Not considered harmful to aquatic organisms nor to cause long term adverse effects to the environment.

Hydroquinone Monomethyl Ether (150-76-5)	
Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: > 28.5 mg/l, *Oncorhynchus mykiss (Salmo gairdneri)*
Acute toxicity – aquatic invertebrates	EC_{50}, 48 hours: 3 mg/l, *Daphnia magna*
Acute toxicity – aquatic plants	EC_{50}, 72 hours: 54.7 mg/l, *Pseudokirchneriella subcapitata (Selenastrum capricornutum)*
Chronic aquatic toxicity	
Chronic toxicity – aquatic invertebrates	LOEC, 21 days: >1.45 mg/l, *Daphnia magna*
Chronic toxicity – aquatic invertebrates	NOEC, 21 days: 0.68 mg/l, *Daphnia magna*

N,N-Dimethyl-P-Toluidine (99-97-8)	
Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: > 46 mg/l, *Pimephales promelas*
Acute toxicity – aquatic plants	EC_{50}, 72 hours: 2437002 mg/l, *Pseudokirchneriella subcapitata (Selenastrum capricornutum)*

2,2'(4-Methylphenylimino) Diethanol (3077-12-1)	
Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: > 100 mg/l, *Cyprinus carpio*
Acute toxicity – aquatic invertebrates	EC_{50}, 48 hours: 48 mg/l, *Daphnia magna*
Acute toxicity – aquatic plants	EC_{50}, 72 hours: >100 mg/l, *Pseudokirchneriella subcapitata (Selenastrum capricornutum)*

Cumene Hydroperoxide (80-15-9)	
Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: > 3.9 mg/l, *Oncorhynchus mykiss (Salmo gairdneri)*
Acute toxicity – aquatic invertebrates	EC_{50}, 48 hours: 18.84 mg/l, *Daphnia magna*

12.2	Persistence and degradability	No data available
12.3	Bioaccumulative potential	No data available
12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria
12.6	Endocrine disrupting properties	No data available
12.7	Other adverse effects	No data available

Section 13: Disposal Consideration

13.1 Waste treatment methods

General information	Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.

Section 14: Transport Information

Transport class	This product does not require a classification for transport

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Specific regulations
National regulations:
The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (SI 2009 No.716)
EU Legislation:
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 (as amended).
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Guidance:
Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2 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

***** Sections Revised

Supersedes date

Other information	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
Phrases used in s.2 and s.3	H242 Heating may cause a fire H301 Toxic if swallowed H302 Harmful if swallowed H311 Toxic in contact with skin H312 Harmful in contact with skin H314 Causes severe skin burns and eye damage H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage H319 Causes serious eye irritation H331 Toxic if inhaled H335 May cause respiratory irritation H373 May cause damage to organs through prolonged or repeated exposure H411 Toxic to aquatic life with long lasting effects H412 Harmful to aquatic life with long lasting effects