

JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

60194

13/12/12

LOCTITE THREADLOCKER 290

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Name of product: Loctite threadlocker 290 50ml

Product No.: FZW0001I2

Intended use: Anaerobic

Stock Code: 60194

Supplier: Henkel Limited
Technologies House
Wood Lane End
Hemel Hempstead
HP2 4RQ
Phone: 01442 278000
Fax-no: 01442 278071

Emergency information: 24 Hours Emergency Tel: 01442 278497

Distributor: John Astley & Sons Ltd,
Renown Avenue,
Coventry Business Park,
Coventry,
CV5 6UF
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

2. HAZARDS IDENTIFICATION

Main hazards: Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

R20 Harmful by inhalation.

R36/37 Irritating to eyes and respiratory system.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: Anaerobic Sealant

Declaration of ingredients according to (EC) No 1907/2006:

Name	CAS-No.	EC No.	Content	Classification *
Cumene hydroperoxide	80-15-9	201-254-7	>1 - <3 %	R23 Xn; R21/22, R48/20/22, R7, R34, R51, R53
Cumene	98-82-8	202-704-5	>0.1 – 0.5%	R10, Xn; R65, Xi; R37, N; R51, R53
N,N-dimethyl-o-toluidine	609-72-3	210-199-8	>0.1 – 0.5%	R52, R53, R23/24/25, R33

* **Classification:** The full text of the Risk phrases in this section, are listed in section 16 and apply only to individual constituents and not the finished product.

4. FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air. If symptoms persist, seek medical advice.

Skin contact: Rinse with running water and soap. Seek medical advice.

Eye contact: Rinse the eye with water immediately.
Continue to rinse for at least 10 minutes and get medical attention if necessary.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice.

LOCTITE THREADLOCKER 290**5. FIRE-FIGHTING MEASURES**

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder.

Special protection equipment for firefighters: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin and eye contact. Ensure adequate ventilation.

Environmental Precautions: Prevent entry into drains and watercourses.

Clean-up methods: For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Storage: Store in original containers at 8-21C (46.4-69.8F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient Name:	Std	TWA – 8 Hrs	STEL – 15 Min	Category
Cumene 98-82-8	WEL	25ppm 125mg/m ³	50ppm 250mg/m ³	Can be absorbed through skin

Respiratory protection: Use only in well-ventilated areas.

Hand protection: Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (IIR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (IIR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection: Wear protective glasses.

Skin protection: Wear suitable protective clothing.

General protection and hygiene measures: Good industrial hygiene practices should be observed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.
Colour:	Green.
Odour:	Mild. Hydrocarbon.
pH-value:	Not applicable
Boiling point:	> 150 °C (> 302 °F)
Flash point:	> 93,3 °C (> 199.94 °F)
Vapour pressure:	< 5 mm hg (27 °C)
Density:	1,07 g/cm ³
Solubility (qualitative):	Slight (Solvent: Water)
Solubility (qualitative):	Miscible (Solvent: Acetone)
Evaporation rate:	Not available
Vapor density:	Not available
VOC content (1999/13/EC):	< 3 %

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Materials to avoid:	Reaction with strong acids. Reacts with strong oxidants.
Hazardous decomposition products:	Irritating organic vapours.

11. TOXICOLOGICAL INFORMATION

Oral toxicity:	This material is considered to have low toxicity if swallowed.
Inhalative toxicity:	Harmful by inhalation. Irritating to respiratory system
Skin irritation:	Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin
Eye irritation:	Irritating to eyes.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Hazardous component:	Cumene hydroperoxide.
CAS-No.:	80-15-9
Species:	Ide, silver or golden orfe (Leuciscus idus) Water flea (Daphnia magna)
Exposure time:	48 h Value type: LC50 Value: 14mg/l
	24 h Value type: EC 50 Value: 7mg/l

Hazardous component:	Cumene.
CAS-No.:	98-82-8
Species:	Trout family (Salmonidae)
Exposure time:	96 h Value type: LC50 Value: 4.8 mg/l

Hazardous component:	N,N-dimethyl-o-toluidine
CAS-No.:	609-72-3
Species:	Fathead minnow (Pimephales promelas)
Exposure time:	96 h Value type: LC50 Value: 46 mg/l

Ecological information: Cured Loctite products are typical polymers and do not pose any immediate environmental hazards. Do not empty into drains / surface water / ground water.

Other remarks: Do not empty into drains, soil or bodies of water.

LOCTITE THREADLOCKER 290**13. DISPOSAL CONSIDERATIONS**

- Product disposal:** Dispose of in accordance with local and national regulations.
Contribution of this product to waste is very insignificant in comparison to article in which it is used
- Waste code:** 08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances
- Disposal of packaging:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

14. TRANSPORT INFORMATION

- Classification:** Classified as non hazardous for transport by road, rail, sea and air.

15. REGULATORY INFORMATION

- Indication of danger:** Xn - Harmful
Not subject of the identification regulations. The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
- Contains:** Cumene hydroperoxide
- Risk phrases:**
R-20 Harmful by inhalation.
R-36/37 Irritating to eyes and respiratory system.
R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases:**
S-23 Do not breathe vapour.
S-25 Avoid contact with eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-51 Use only in well-ventilated areas.
S-61 Avoid release to the environment.
Refer to special instructions/Safety data sheets.
- Additional information:** Not subject of the identification regulations.
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
- Additional labeling:** For consumer use only:
S-2 Keep out of the reach of children
S-46 If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

- Labelling:** The labelling of the product is indicated in Section 15.
- Risk Phrases in Full:**
R10 Flammable.
R21/22 Harmful in contact with skin and if swallowed.
R23 Toxic by inhalation.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R33 Danger of cumulative effects.
R34 Causes burns.
R37 Irritating to respiratory system.
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R51 Toxic to aquatic organisms.
R52 Harmful to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R7 May cause fire.

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Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and subsequent amendments, and Commission Directive 1999/45/EC.

DISCLAIMER

Every effort has been made to ensure that this information is accurate and up to date. , Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. , No warranty is implied or given as to suitability for use for any activity which is not covered by either the technical data sheet or restrictions of use as above.

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