



Technologies

Loctite 770

MSDS-No. : 153555

V001.3

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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

Loctite 770

Intended use:

Primer, containing solvents

Company name:

Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead
Phone: +44 (0)1442 278000
Fax-no.: +44 (0)1442 278071
Great Britain

Emergency information:

+353-1-4599301/+353-87-2629625/+353-1-4046444

2. Composition / information on ingredients

General chemical description:

Primer, containing solvents

Declaration of ingredients according to 91/155/EC:

Hazardous components CAS-No.	EINECS	content	Classification
n-Heptane 142-82-5	205-563-8	80 - 100 %	F - Highly flammable; R11 Xn - Harmful; R65 Xi - Irritant; R38 R67 N - Dangerous for the environment; R50, R53

3. Hazards identification

R11 Highly flammable.
R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

Inhalation:

Move to fresh air.
Seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. Fire-fighting measures

Combustion behaviour:

Solvent containing flammable product. In case of fire toxic gases are released.

Suitable extinguishing media:

foam, extinguishing powder, carbon dioxide

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.

Special hazards by the product itself:

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Additional information:

In case of fire, keep containers cool with water spray.

6. Accidental release measures

Personal precautions:

Remove sources of ignition.
Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Clean-up methods:

Wipe up using absorbent material
Store in a partly filled, closed container until disposal.

7. Handling and storage

Handling:

Keep away from sources of ignition - no smoking.
Vapours should be extracted to avoid inhalation
Use only in well-ventilated areas

Storage:

Store in a cool, dry place.
Do not store near sources of heat or ignition, or reactive materials.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for

Great Britain

Basis

UK EH40 WELs

Ingredient	ppm	mg/m ³	Type	Category	Remarks
heptane [and isomers] 142-82-5	500	2.085	Time Weighted Average (TWA).		EU-2000/39/EC
				Listed.	UKCOSSTD
	500		Time Weighted Average (TWA).		EH40 WEL

Respiratory protection:

Do not inhale vapors and fumes.

Use only in well-ventilated areas.

Hand protection:

The use of chemical resistant gloves such as Nitrile are recommended

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced

Eye protection:

Wear protective glasses.

Body protection:

suitable protective clothing

General protection and hygiene measures:

Good industrial hygiene practices should be observed

9. Physical and chemical properties

Appearance	liquid
Odor:	colorless pungent
pH-value	not applicable
Boiling point	96 - 98 °C (204,8 - 208,4 °F)
Flash point	-2 °C (28,4 °F)
Vapor pressure	35 mm/Hg
(20 °C (68 °F))	
Density	0,68 g/cm ³
(ρ)	
Solubility (qualitative)	not miscible
(Solvent: water)	
Evaporation rate:	2,7
	(Ether = 1)
Vapor density:	3,4
	(Air = 1)
VOC content	100 % (As defined in the Council Directive 1999/13/EC)
(1999/13/EC)	

10. Stability and reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

Heat, fumes, sparks and other sources of ignition.

Materials to avoid:

Strong oxidizing agent.

Hazardous decomposition products:

None if used for intended purpose.

11. Toxicological information

Oral toxicity:

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema

Inhalative toxicity:

May cause headache and dizziness.

Skin irritation:

Irritating to the skin

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals

Eye irritation:

May cause mild irritation to the eyes

12. Ecological information

Ecotoxicity:

Very toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment

Do not empty into drains / surface water / ground water.

Mobility:

The product evaporates readily.

Persistence and Biodegradability:

No data available.

Bioaccumulative potential:

No data available.

13. Disposal considerations

Product

Disposal methods:

Dispose of according to regulations.

Waste code(EWC):

14 06 03 - other solvents and solvent mixtures

Packaging

Disposal methods:

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.

Disposal must be made according to official regulations.

14. Transport information**Road transport ADR:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Railroad transport RID:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Inland water transport ADN:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Marine transport IMDG:

Class:	3
Packaging group:	II
UN no.:	1206
Label:	3
EmS:	F-E ,S-D
Seawater pollutant:	-
Proper shipping name:	HEPTANES (solution)

Air transport IATA:

Class:	3
Packaging group:	II
Packaging instructions (passenger)	305
Packaging instructions (cargo)	307
UN no.:	1206
Label:	3
Proper shipping name:	Heptanes (solution)

15. Regulations - classification and identification

Indication of danger:

F - Highly flammable

Xn - Harmful

N - Dangerous for the environment



Contains

n-Heptane

Risk phrases:

- R11 Highly flammable.
- R38 Irritating to skin.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour.
- S28 After contact with skin, wash immediately with plenty of water.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The labeling of the product is indicated in Section 15.

- R11 Highly flammable.
- R38 Irritating to skin.
- R50 Very toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.

Further information:

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