



Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 9

Loctite 7457

sds no. : 179509
V003.1

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RS REACH v2 revision date 01/0+/13

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

Product identifier:

Loctite 7457

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

Intended use:

Primer, containing solvents

Details of the supplier of the safety data sheet:

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SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):

F+ - Extremely flammable

R12 Extremely flammable.

Xi - Irritant

R38 Irritating to skin.

Dangerous for the environment

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

Label elements (DPD):

N - Dangerous for the environment

Xi - Irritant

F+ - Extremely flammable

**Risk phrases:**

R12 Extremely flammable.

R38 Irritating to skin.

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.

Additional labeling:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

Contains:

n-Heptane

Other hazards:

The aerosol container is under pressure. Do not expose to high temperatures.

SECTION 3: Composition/information on ingredients**General chemical description:**

Primer, containing solvents

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
n-Heptane 142-82-5	205-563-8	>= 50- <= 100 %	Flammable liquids 2 H225 Aspiration hazard 1 H304 Skin irritation 2 H315 Specific target organ toxicity - single exposure 3 H336 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Alkanes, C3-4, <0.1% 1,3-Butadien 68475-59-2	270-653-6	>= 10- < 20 %	Germ cell mutagenicity 1B H340 Carcinogenicity 1B H350 Flammable gases 1 H220 Gases under pressure
Benzenamine, N,N,4-trimethyl- 99-97-8	202-805-4	>= 0- < 1 %	Acute toxicity 3; Inhalation H331 Acute toxicity 3; Dermal H311 Acute toxicity 3; Oral H301 Specific target organ toxicity - repeated exposure 2 H373 Chronic hazards to the aquatic environment 3 H412

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
n-Heptane 142-82-5	205-563-8	>= 50 - <= 100 %	Xi - Irritant; R38 R67 F - Highly flammable; R11 Xn - Harmful; R65 N - Dangerous for the environment; R50/53
Alkanes, C3-4, <0.1% 1,3-Butadien 68475-59-2	270-653-6	>= 10 - < 20 %	F+ - Extremely flammable; R12
Benzenamine, N,N,4-trimethyl- 99-97-8	202-805-4	>= 0 - < 1 %	T - Toxic; R23/24/25 R33 R52/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures**Description of 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.

Most important symptoms and effects, both acute and delayed:

SKIN: Redness, inflammation.

Vapors may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

SECTION 5: Firefighting measures**Combustion behaviour:**

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

Extinguishing media:**Suitable extinguishing media:**

Foam, extinguishing powder, carbon dioxide.

Special hazards arising from the substance or mixture:

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Advice for firefighters:

Wear self-contained breathing apparatus.

Additional information:

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

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures:**

Remove sources of ignition.
Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

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

Reference to other sections:

See advice in chapter 8

SECTION 7: Handling and storage**Precautions for safe handling:**

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

Hygiene measures:

Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

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

Specific end use(s):

Primer, containing solvents

SECTION 8: Exposure controls/personal protection**Control parameters:**

Valid for
Great Britain

Ingredient	ppm	mg/m ³	Type	Category	Remarks
N-HEPTANE 142-82-5	500		Time Weighted Average (TWA):		EH40 WEL
N-HEPTANE 142-82-5	500	2.085	Time Weighted Average (TWA):	Indicative	ECTLV

Exposure controls:**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.

Skin protection:

Suitable protective clothing

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties:**

Appearance	liquid colourless
Odor	pungent
pH	Not determined
Initial boiling point	Not applicable
Flash point	not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	45,5 mbar
Density ()	0,68 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (Solvent: Water)	Not miscible
Solubility (qualitative) (Solvent: Acetone)	Miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable

Auto-ignition temperature	No data available / Not applicable
Explosive limits	
lower	1 % (V)
upper	7 % (V)
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

SECTION 10: Stability and reactivity

Reactivity:

Strong oxidizing agents.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.

Hazardous decomposition products:

None if used for intended purpose.

SECTION 11: Toxicological information

General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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.

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
n-Heptane 142-82-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

SECTION 12: Ecological information**General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
n-Heptane 142-82-5	LC50	220 - 270 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	EC50	1,5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Heptane 142-82-5	4,66					
Benzenamine, N,N,4- trimethyl- 99-97-8	2,81				25 °C	

SECTION 13: Disposal considerations**Waste treatment methods:****Product disposal:**

Dispose of according to regulations.

Disposal of uncleaned packages:

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.

Waste code

14 06 03 Other solvents and solvent mixtures

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

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode: (D)
Additional substance property: Environmentally Hazardous

Railroad transport RID:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number: 23
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode:
Additional substance property: Environmentally Hazardous

Inland water transport ADN:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Additional substance property: Environmentally Hazardous

Marine transport IMDG:

Class: 2.1
Packaging group:
UN no.: 1950
Label: 2.1
EmS: F-D ,S-U
Seawater pollutant: Marine pollutant
Proper shipping name: AEROSOLS (n-Heptane)

Air transport IATA:

Class: 2.1
Packaging group:
Packaging instructions (passenger) 203
Packaging instructions (cargo) 203
UN no.: 1950
Label: 2.1
Proper shipping name: Aerosols, flammable

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content 100 %
(1999/13/EC)

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R11 Highly flammable.
- R12 Extremely flammable.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R33 Danger of cumulative effects.
- R38 Irritating to skin.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, 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.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H315 Causes skin irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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.