

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

Page 1 of 13

LOCTITE SF 7505 100ML EN/ES/IT

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

# 1.1. Product identifier

LOCTITE SF 7505 100ML EN/ES/IT

**1.2. Relevant identified uses of the substance or mixture and uses advised against** Intended use: Rust preventor

# 1.3. Details of the supplier of the safety data sheet

Henkel Ltd Adhesives Wood Lane End HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

ua-productsafety.uk@henkel.com For Safety Data Sheet updates please visit our website https://mysds.henkel.com/index.html#/appSelection or www.henkeladhesives.com.

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification (CLP): Serious eye irritation H319 Causes serious eye irritation.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Warning

Hazard statement:

H319 Causes serious eye irritation.

Category 2

Precautionary statement:	"***" ***For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of contents/container in accordance with national regulation.***
Precautionary statement: Response	P337+P313 If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. The classification was determined on the basis of the known physical and chemical properties of the product.

# Following substances are present in a concentration >= 0,1% and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in concentration  $\geq$  the concentration limit that are assessed to be a PBT, vPvB or ED.

# **SECTION 3: Composition/information on ingredients**

3.2. Mixtures

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

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M- factors and ATEs	Add. Information
2-Butoxyethanol 111-76-2 203-905-0 01-2119475108-36	1- < 5 %	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, Oral, H302 Acute Tox. 4, Inhalation, H332	oral:ATE = 1.200 mg/kg	EU OEL
Tannins 1401-55-4 215-753-2	1- < 5 %	Skin Irrit. 2, Dermal, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412		

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.

#### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

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

Skin contact: Rinse with running water and soap.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice. **4.2. Most important symptoms and effects, both acute and delayed** EYE: Irritation, conjunctivitis.

Prolonged or repeated contact may cause skin irritation.

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

See section: Description of first aid measures

# **SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media:** water, carbon dioxide, foam, powder

**Extinguishing media which must not be used for safety reasons:** None known

#### 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

#### Additional information:

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

# **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear protective equipment.

#### **6.2. Environmental precautions**

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

#### 6.3. Methods and material for containment and cleaning up

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. Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Avoid skin and eye contact. See advice in section 8

#### 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.

**7.2.** Conditions for safe storage, including any incompatibilities Storage at 8 to 28°C is recommended.

**7.3. Specific end use**(s) Rust preventor

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# **Occupational Exposure Limits**

# Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Barium sulfate 7727-43-7 [BARIUM SULPHATE, INHALABLE DUST]		10	Time Weighted Average (TWA):		EH40 WEL
Barium sulfate 7727-43-7 [BARIUM SULPHATE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		EH40 WEL
Propane-1,2-diol 57-55-6 [PROPANE-1,2-DIOL, PARTICULATES]		10	Time Weighted Average (TWA):		EH40 WEL
Propane-1,2-diol 57-55-6 [PROPANE-1,2-DIOL, TOTAL VAPOUR AND PARTICULATES]	150	474	Time Weighted Average (TWA):		EH40 WEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	25	123	Time Weighted Average (TWA):		EH40 WEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	20	98	Time Weighted Average (TWA):	Indicative	ECTLV
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	50	246	Short Term Exposure Limit (STEL):	Indicative	ECTLV
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	50	246	Short Term Exposure Limit (STEL):	15 minutes	EH40 WEL

# **Occupational Exposure Limits**

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Barium sulfate 7727-43-7 [BARIUM SULPHATE]		5	Time Weighted Average (TWA):		IR_OEL
Propane-1,2-diol 57-55-6 [PROPANE-1,2-DIOL]		10	Time Weighted Average (TWA):		IR_OEL
Propane-1,2-diol 57-55-6 [PROPANE-1,2-DIOL]	150	470	Time Weighted Average (TWA):		IR_OEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL (EGBE)]	50	246	Short Term Exposure Limit (STEL):	15 minutes Indicative OELV	IR_OEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL (EGBE)]	20	98	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL (EGBE)]			Skin designation:	Can be absorbed through the skin.	IR_OEL
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	20	98	Time Weighted Average (TWA):	Indicative	ECTLV
2-Butoxyethanol 111-76-2 [2-BUTOXYETHANOL]	50	246	Short Term Exposure Limit (STEL):	Indicative	ECTLV

# Predicted No-Effect Concentration (PNEC):

Name on list	Environmental	-	•				Remarks
	Compartment	period					
			mg/l	ppm	mg/kg	others	
2-butoxyethanol	aqua		8,8 mg/l				
111-76-2	(freshwater)						
2-butoxyethanol	aqua (marine		0,88 mg/l				
111-76-2	water)		-				
2-butoxyethanol	sewage		463 mg/l				
111-76-2	treatment plant		-				
	(STP)						
2-butoxyethanol	sediment				34,6 mg/kg		
111-76-2	(freshwater)						
2-butoxyethanol	sediment				3,46 mg/kg		
111-76-2	(marine water)						
2-butoxyethanol	Soil				2,33 mg/kg		
111-76-2							
2-butoxyethanol	oral				20 mg/kg		
111-76-2					00		
2-butoxyethanol	Freshwater -		26,4 mg/l				
111-76-2	intermittent		Ũ				

# Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
2-butoxyethanol 111-76-2	Workers	inhalation	Long term exposure - systemic effects		98 mg/m3	
2-butoxyethanol 111-76-2	Workers	inhalation	Acute/short term exposure - local effects		246 mg/m3	
2-butoxyethanol 111-76-2	Workers	inhalation	Acute/short term exposure - systemic effects		1091 mg/m3	
2-butoxyethanol 111-76-2	General population	inhalation	Long term exposure - systemic effects		59 mg/m3	
2-butoxyethanol 111-76-2	General population	inhalation	Acute/short term exposure - systemic effects		426 mg/m3	
2-butoxyethanol 111-76-2	General population	inhalation	Acute/short term exposure - local effects		147 mg/m3	
2-butoxyethanol 111-76-2	General population	oral	Long term exposure - systemic effects		6,3 mg/kg	
2-butoxyethanol 111-76-2	General population	oral	Acute/short term exposure - systemic effects		26,7 mg/kg	

# **Biological Exposure Indices:**

8	Parameters	Biological	Sampling time	 Basis of biol.	Remark	Additional Information
substance]		specimen		exposure index		information
2-Butoxyethanol	Butoxyacetic	Creatinine in	Sampling time: End of	UKEH40BMG		
111-76-2	acid	urine	shift.	V		
[2-BUTOXYETHANOL]						

# 8.2. Exposure controls:

Engineering controls: Ensure good ventilation/extraction. Respiratory protection: Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area Filter type: A (EN 14387)

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 (NBR; >= 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 (NBR; >= 0.4 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy mithe split the references.

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. Protective eye equipment should conform to EN166.

Skin protection: Wear suitable protective clothing. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

information on basic physical and chemical pro	operues
Physical state	liquid
Delivery form	liquid
Colour	Off white, Milky
Odor	characteristic
Melting point	Currently under determination
Initial boiling point	100 °C (212 °F)None
Flammability	
Flammability	The product is not flammable.
Explosive limits	Not applicable, The product is not flammable.
Flash point	> 100 °C (> 212 °F)
Auto-ignition temperature	Not applicable, Aqueous solution
Decomposition temperature	Currently under determination
pH	1,4 - 1,9 None
(; Conc.: 100 % product)	
Viscosity (kinematic)	Currently under determination
Viscosity, dynamic	1.000,00 mPa.s no method
0	
Solubility (qualitative)	Soluble
(20 °C (68 °F); Solvent: Water)	
Solubility (qualitative)	Partially soluble
(Solvent: Acetone)	
Partition coefficient: n-octanol/water	Currently under determination
Vapour pressure	23 hPa
(20 °C (68 °F))	
Density	1,23 - 1,31 g/cm3 None

(20 °C (68 °F)) Relative vapour density: Particle characteristics

Not applicable, Heavier than air Currently under determination

#### **9.2.** Other information

Other information not applicable for this product

# **SECTION 10: Stability and reactivity**

**10.1. Reactivity** None known

**10.2. Chemical stability** Stable under recommended storage conditions.

#### **10.3. Possibility of hazardous reactions** See section reactivity

**10.4. Conditions to avoid** Stable under normal conditions of storage and use.

10.5. Incompatible materials

None if used properly.

**10.6. Hazardous decomposition products** carbon oxides.

# **SECTION 11: Toxicological information**

#### General toxicological information:

Prolonged or repeated contact may cause skin irritation.

# 1.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2-Butoxyethanol 111-76-2	Acute toxicity estimate (ATE)	1.200 mg/kg		Expert judgement
Tannins 1401-55-4	LD50	2.260 mg/kg	rat	not specified

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2-Butoxyethanol 111-76-2	LD0	> 2.000 mg/kg	guinea pig	OECD Guideline 402 (Acute Dermal Toxicity)
2-Butoxyethanol 111-76-2	LD50	> 2.000 mg/kg	guinea pig	OECD Guideline 402 (Acute Dermal Toxicity)

#### Acute inhalative toxicity:

No substance data available. No data available.

#### Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

time		
4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)

#### Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2-Butoxyethanol 111-76-2	irritating	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

#### Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
2-Butoxyethanol 111-76-2	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

#### Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
2-Butoxyethanol 111-76-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2-Butoxyethanol 111-76-2	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
2-Butoxyethanol 111-76-2	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

# Carcinogenicity

No data available.

#### **Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
2-Butoxyethanol 111-76-2	NOAEL P 720 mg/kg NOAEL F1 720 mg/kg NOAEL F2 720 mg/kg	Two generation study	oral: drinking water	mouse	not specified

# STOT-single exposure:

No data available.

# STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result / Value	Route of	Exposure time /	Species	Method
CAS-No.		application	Frequency of		
			treatment		
2-Butoxyethanol	NOAEL 0,121 mg/l	inhalation	42 or 90 days	rat	not specified
111-76-2			6 hours/day, 5		
			days/week		
2-Butoxyethanol	NOAEL < 69 mg/kg	oral:	90 d	rat	equivalent or similar to
111-76-2		drinking	continous		OECD Guideline 408
		water			(Repeated Dose 90-Day
					Oral Toxicity in Rodents)

# Aspiration hazard:

No data available.

# 11.2 Information on other hazards

not applicable

# **SECTION 12: Ecological information**

#### General ecological information:

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

#### 12.1. Toxicity

# Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
2-Butoxyethanol	LC50	1.474 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish,
111-76-2					Acute Toxicity Test)
2-Butoxyethanol	NOEC	> 100 mg/l	21 d	Brachydanio rerio (new name:	OECD Guideline 204 (Fish,
111-76-2		-		Danio rerio)	Prolonged Toxicity Test:
					14-day Study)
Tannins	LC50	37 mg/l	96 h	Gambusia affinis	OECD Guideline 203 (Fish,
1401-55-4					Acute Toxicity Test)

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
2-Butoxyethanol 111-76-2		1.550 mg/l	48 h	·1 · · · · · ·	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
2-Butoxyethanol	NOEC	100 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia
111-76-2		-			magna, Reproduction Test)

# Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
2-Butoxyethanol	EC50	1.840 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
111-76-2					Growth Inhibition Test)
2-Butoxyethanol	NOEC	286 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
111-76-2				_	Growth Inhibition Test)

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
2-Butoxyethanol	EC0	1.000 mg/l	30 min		not specified
111-76-2		-			-

#### 12.2. Persistence and degradability

No data available.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
2-Butoxyethanol 111-76-2	readily biodegradable	aerobic	73 %	30 d	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

#### 12.3. Bioaccumulative potential

No data available.

No substance data available.

#### 12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances CAS-No.	LogPow	Temperature	Method
2-Butoxyethanol 111-76-2	0,81	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

#### 12.5. Results of PBT and vPvB assessment

Hazardous substances	PBT / vPvB
CAS-No.	
2-Butoxyethanol	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
111-76-2	Bioaccumulative (vPvB) criteria.

# 12.6. Endocrine disrupting properties

not applicable

# 12.7. Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**

# **13.1.** Waste treatment methods

Product disposal: Dispose of in accordance with local and national regulations. Collection and delivery to recycling enterprise or other registered elimination institution.

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

080111

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

	SECTION 14: Transport information
14.1.	UN number
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.2.	UN proper shipping name
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.3.	Transport hazard class(es)
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.4.	Packing group
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.5.	Environmental hazards
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.6.	Special precautions for user
	Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
14.7.	Maritime transport in bulk according to IMO instruments
	not applicable

# SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture			
Ozone Depleting Substance	Not applicable		
Prior Informed Consent (PI	Not applicable		
Persistent organic pollutants (Regulation (EU) 2019/1021):		Not applicable	
VOC content	4,0 %		
(2010/75/EC)			

**15.2. Chemical safety assessment** A chemical safety assessment has not been carried out.

# **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:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation. H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very
	bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

#### **Further information:**

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