

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

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

### 1.1. Product identifier

LOCTITE SF 770 Primer (Upgrade)

LOCTITE SF 770 Primer (Upgrade)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Primer

## 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.henkel-adhesives.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):

Flammable liquids Category 2

H225 Highly flammable liquid and vapour.

Serious eye irritation Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure Category 3

H336 May cause drowsiness or dizziness.

Target organ: Central nervous system

### 2.2. Label elements

## Label elements (CLP):

Hazard pictogram:



**Contains** isopropyl acetate

Signal word: Danger

**Hazard statement:** H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

**Supplemental information** EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statement:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**Prevention** No smoking.

P261 Avoid breathing vapors.

P280 Wear protective gloves/protective clothing.

**Precautionary statement:** P337+P313 If eye irritation persists: Get medical advice/attention.

Response

**Precautionary statement:** 

Storage

P403+P235 Store in a well-ventilated place. Keep cool.

#### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 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
isopropyl acetate 108-21-4 203-561-1 01-2119537214-46	50- 100 %	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336		
1,8-Diazabicyclo[5.4.0]undec-7- ene 6674-22-2 229-713-7 01-2119977097-24	0,1-< 1 %	Acute Tox. 3, Oral, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Met. Corr. 1, H290	oral:ATE = 215 mg/kg	

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.

Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

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

### 4.2. Most important symptoms and effects, both acute and delayed

EYE: Irritation, conjunctivitis.

Vapors may cause drowsiness and dizziness.

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:

High pressure waterjet

## 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

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

Keep away from sources of ignition.

### 6.2. Environmental precautions

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

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

Dispose of contaminated material as waste according to Section 13.

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.

### 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:

Good industrial hygiene practices should be observed. Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

## 7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Keep away from sources of ignition.
Keep container tightly sealed.
Refer to Technical Data Sheet
Do not store near sources of heat or ignition, or reactive materials.
Store in a cool, well-ventilated place.
Store in a dry place.

## 7.3. Specific end use(s)

Primer

# **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>	· · · · · · · · · · · · · · · · · · ·	Short term exposure limit category / Remarks	Regulatory list
Isopropyl acetate 108-21-4	200	849	Short Term Exposure Limit (STEL):	15 minutes	EH40 WEL
[ISOPROPYL ACETATE]					

## **Occupational Exposure Limits**

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>		Short term exposure limit category / Remarks	Regulatory list
Isopropyl acetate 108-21-4 [PROPYL ACETATE ISOMERS: ISOPROPYL ACETATE]	100		Time Weighted Average (TWA):		IR_OEL
Isopropyl acetate 108-21-4 [PROPYL ACETATE ISOMERS: ISOPROPYL ACETATE]	150		Short Term Exposure Limit (STEL):	15 minutes	IR_OEL

# **Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental		Value				Remarks
	Compartment	period		1			
			mg/l	ppm	mg/kg	others	
isopropyl acetate	aqua		0,22 mg/l				
108-21-4	(freshwater)		1				
isopropyl acetate	aqua (marine		0,02 mg/l				
108-21-4	water)						
isopropyl acetate	sediment				1,25 mg/kg		
108-21-4	(freshwater)						
isopropyl acetate	sediment				0,125		
108-21-4	(marine water)				mg/kg		
isopropyl acetate	Soil				0,35 mg/kg		
108-21-4							
isopropyl acetate	sewage		190 mg/l				
108-21-4	treatment plant						
	(STP)						
isopropyl acetate	aqua		1,1 mg/l				
108-21-4	(intermittent						
	releases)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	aqua		0,24 mg/l				
6674-22-2	(freshwater)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	aqua (marine		0,024 mg/l				
6674-22-2	water)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	aqua		0,5 mg/l				
6674-22-2	(intermittent						
	releases)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	sewage		13 mg/l				
6674-22-2	treatment plant						
	(STP)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	sediment				1,46 mg/kg		
6674-22-2	(freshwater)						
1,8-Diazabicyclo[5.4.0]undec-7-ene	sediment				0,146		
6674-22-2	(marine water)				mg/kg		
1,8-Diazabicyclo[5.4.0]undec-7-ene	Soil				0,152		
6674-22-2					mg/kg		

## **Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
isopropyl acetate 108-21-4	Workers	inhalation	Acute/short term exposure - systemic effects		558 mg/m3	
isopropyl acetate 108-21-4	Workers	inhalation	Long term exposure - local effects		227 mg/m3	
isopropyl acetate 108-21-4	Workers	inhalation	Long term exposure - systemic effects		275 mg/m3	
isopropyl acetate 108-21-4	Workers	dermal	Long term exposure - systemic effects		27 mg/kg	
isopropyl acetate 108-21-4	General population	inhalation	Acute/short term exposure - systemic effects		335 mg/m3	
isopropyl acetate 108-21-4	General population	inhalation	Long term exposure - local effects		136 mg/m3	
isopropyl acetate 108-21-4	General population	inhalation	Long term exposure - systemic effects		168 mg/m3	
isopropyl acetate 108-21-4	General population	dermal	Long term exposure - systemic effects		16 mg/kg	
isopropyl acetate 108-21-4	General population	oral	Long term exposure - systemic effects		16 mg/kg	
1,8-Diazabicyclo[5.4.0]undec-7-ene 6674-22-2	Workers	inhalation	Long term exposure - systemic effects		10,6 mg/m3	
1,8-Diazabicyclo[5.4.0]undec-7-ene 6674-22-2	Workers	dermal	Long term exposure - systemic effects		3 mg/kg	
1,8-Diazabicyclo[5.4.0]undec-7-ene 6674-22-2	General population	inhalation	Long term exposure - systemic effects		2,6 mg/m3	
1,8-Diazabicyclo[5.4.0]undec-7-ene 6674-22-2	General population	dermal	Long term exposure - systemic effects		1,5 mg/kg	
1,8-Diazabicyclo[5.4.0]undec-7-ene 6674-22-2	General population	oral	Long term exposure - systemic effects		1,5 mg/kg	

# **Biological Exposure Indices:**

None

## 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 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:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing. 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

Delivery form liquid

Colour transparent, Slightly Hazy

Odor aromatic
Physical state liquid

Melting point Not applicable, Product is a liquid

Initial boiling point 82 °C (179.6 °F)

Flammability
Currently under determination
Explosive limits
Currently under determination
Currently under determination
4 °C (39.2 °F); Tagliabue closed cup
Auto-ignition temperature
Currently under determination

Decomposition temperature Not applicable, Substance/mixture is not self-reactive, no organic

peroxide and does not decompose under foreseen conditions of use

pH Not applicable, Product is non-soluble (in water).

Viscosity (kinematic) Currently under determination

Solubility (qualitative) Not miscible

(20 °C (68 °F); Solvent: Water)

Partition coefficient: n-octanol/water Not applicable Mixture

Vapour pressure < 700 mbar (50 °C (122 °F))

Vapour pressure 56 mbar (20 °C (68 °F))

Density 0,87 g/cm3 no method / method unknown

Relative vapour density: Currently under determination

Not applicable Product is a liquid

## 9.2. Other information

Other information not applicable for this product

Particle characteristics

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

None if used properly.

### 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.

# **SECTION 11: Toxicological information**

## 11.1 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	Value	Value	Species	Method	
CAS-No.	type				
isopropyl acetate	LD50	6.750 mg/kg	rat	other guideline:	
108-21-4					
1,8-	Acute	215 mg/kg		Expert judgement	
Diazabicyclo[5.4.0]undec	toxicity				
-7-ene	estimate				
6674-22-2	(ATE)				

## 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
isopropyl acetate 108-21-4	LD50	> 17.400 mg/kg	rabbit	not specified

### Acute inhalative 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	Test atmosphere	Exposure time	Species	Method
isopropyl acetate 108-21-4	LC50	50,6 mg/l	vapour	8 h	rat	not specified

### Skin corrosion/irritation:

No data available.

### Serious eye damage/irritation:

No data available.

## Respiratory or skin sensitization:

No data available.

# 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
isopropyl acetate 108-21-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified

CAS-No.		Route of administration	activation / Exposure time	
isopropyl acetate 108-21-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without	not specified
Carcinogenicity				
No data available.				
Reproductive toxic	ity:			
No data available.				

# STOT-single exposure:

No data available.

# STOT-repeated exposure:

No data available.

## **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.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
isopropyl acetate 108-21-4	LC50	400 mg/l	96 h	1 1	OECD Guideline 203 (Fish, Acute Toxicity Test)
1,8-Diazabicyclo[5.4.0]undec- 7-ene 6674-22-2	LC50	> 100 - 220 mg/l	96 h	Leuciscus idus	DIN 38412-15

### **Toxicity (aquatic invertebrates):**

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
isopropyl acetate	EC50	> 1.000 mg/l	48 h	Daphnia magna	OECD Guideline 202
108-21-4					(Daphnia sp. Acute
					Immobilisation Test)
1,8-Diazabicyclo[5.4.0]undec-	EC50	50 mg/l	48 h	Daphnia magna	OECD Guideline 202
7-ene					(Daphnia sp. Acute
6674-22-2					Immobilisation Test)

## Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
1,8-Diazabicyclo[5.4.0]undec-		> 12 mg/l	21 day	Daphnia magna	OECD 211 (Daphnia
7-ene					magna, Reproduction Test)
6674-22-2					

## **Toxicity (Algae):**

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,8-Diazabicyclo[5.4.0]undec-	EC50	> 100 mg/l	72 h	Desmodesmus subspicatus	EU Method C.3 (Algal
7-ene				(reported as Scenedesmus	Inhibition test)
6674-22-2				subspicatus)	
1,8-Diazabicyclo[5.4.0]undec-	NOEC	> 100 mg/l	72 h	Desmodesmus subspicatus	EU Method C.3 (Algal
7-ene				(reported as Scenedesmus	Inhibition test)
6674-22-2				subspicatus)	

## **Toxicity (microorganisms):**

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

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,8-Diazabicyclo[5.4.0]undec-	EC 50	330 mg/l	17 h		not specified
7-ene					
6674-22-2					

## 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	Result	Test type	Degradability	Exposure	Method
CAS-No.				time	
isopropyl acetate	readily biodegradable	aerobic	72 %	20 d	OECD Guideline 301 D (Ready
108-21-4					Biodegradability: Closed Bottle
					Test)
1,8-Diazabicyclo[5.4.0]undec-	not inherently	aerobic	< 20 %	28 day	OECD Guideline 302 B (Inherent
7-ene	biodegradable				biodegradability: Zahn-
6674-22-2					Wellens/EMPA Test)
1,8-Diazabicyclo[5.4.0]undec-	not readily biodegradable.	aerobic	< 20 %	28 day	OECD Guideline 301 A (new
7-ene					version) (Ready Biodegradability:
6674-22-2					DOC Die Away Test)

# 12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	Bioconcentratio	Exposure time	Temperature	Species	Method
CAS-No.	n factor (BCF)				
1,8-Diazabicyclo[5.4.0]undec-	< 0,4	42 day		Cyprinus carpio	OECD Guideline 305 C
7-ene					(Bioaccumulation: Test for the
6674-22-2					Degree of Bioconcentration in
					Fish)

### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	LogPow	Temperature	Method
isopropyl acetate 108-21-4	1,28		not specified

## 12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

Hazardous substances	PBT / vPvB
CAS-No.	
isopropyl acetate	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
108-21-4	Bioaccumulative (vPvB) criteria.
1,8-Diazabicyclo[5.4.0]undec-7-ene	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
6674-22-2	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:

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

Dispose of in accordance with local and national 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.

### Waste code

08 04 09\* waste adhesives and sealants containing organic solvents and other dangerous substances

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 or ID number

ADR	1220
RID	1220
ADN	1220
IMDG	1220
IATA	1220

# 14.2. UN proper shipping name

ADR	ISOPROPYL ACETATE
RID	ISOPROPYL ACETATE
ADN	ISOPROPYL ACETATE
IMDG	ISOPROPYL ACETATE
IATA	Isopropyl acetate

### 14.3. Transport hazard class(es)

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

## 14.4. Packing group

ADR	II
RID	II
ADN	II
IMDG	II
IATA	II

## 14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

### 14.6. Special precautions for user

ADR	not applicable
	Tunnelcode: (D/E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

## 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 (ODS) (Regulation (EC) No 1005/2009): Prior Informed Consent (PIC) (Regulation (EU) No 649/2012): Persistent organic pollutants (Regulation (EU) 2019/1021):

Not applicable Not applicable Not applicable

VOC content (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:

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

ED: Substance identified as having endocrine disrupting properties

EU OEL:

EU EXPLD 1:

Substance with a Union workplace exposure limit

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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