



## Safety Data Sheet

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LOCTITE SF 770 PRIMER known as 770 Prism® Primer

SDS No. : 153555

V001.12

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

**Product name:** LOCTITE SF 770 PRIMER known as 770 Prism® Primer

**Other means of identification:** LOCTITE SF 770 DR EN

**Product code:** IDH232186

**Recommended use of the chemical and restrictions on use**

**Intended use:** Primer, containing solvents

**Identification of manufacturer, importer or distributor**

**Importer:** Henkel Malaysia Sdn Bhd 46th Floor, Menara TM, Jalan Pantai Baharu, 59200 Kuala Lumpur, Malaysia. Phone :+ 603 22461000 Fax : + 60322461188

**E-mail address of person responsible for Safety Data Sheet:** ap-ua-psra.sea@henkel.com

**Emergency information:** FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

### Section 2. Hazards identification

**GHS Classification:**

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable liquids	Category 2	
Skin corrosion/irritation	Category 2	
Specific target organ toxicity - single exposure	Category 3	Central Nervous System
Aspiration hazard	Category 1	
Acute hazards to the aquatic environment	Category 1	
Chronic hazards to the aquatic environment	Category 1	

**GHS label elements:**

**Hazard pictogram:**



**Signal word:** Danger

**Hazard statement:** H225 Highly flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long lasting effects.

**Precaution:**

**Prevention:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P331 Do NOT induce vomiting.  
P333+P313 If skin irritation or rash occurs: Get medical attention.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P391 Collect spillage.

**Storage:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Section 3. Composition / information on ingredients**

**Substance or Mixture:**  
Mixture

**Declaration of hazardous chemical:**

Hazard component CAS-No.	Content	GHS Classification
n-Heptane 142-82-5	60- 100 %	Flammable liquids 2 H225 Skin corrosion/irritation 2 H315 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

#### Section 4. First aid measures

<b>Inhalation:</b>	Move to fresh air.
<b>Skin contact:</b>	Rinse with running water and soap. Obtain medical attention if irritation persists.
<b>Eye contact:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Ingestion:</b>	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.
<b>Indication of immediate medical attention and special treatment needed:</b>	Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.  Do not induce vomiting. Seek medical attention from a specialist. See section: Description of first aid measures

#### Section 5. Fire fighting measures

<b>Suitable extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide.
<b>Specific hazards arising from the chemical:</b>	Do not expose to direct heat. In the event of a fire, carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ) and nitrogen oxides (NO <sub>x</sub> ) can be released.
<b>Special protection equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus.
<b>Additional fire fighting advice:</b>	In case of fire, keep containers cool with water spray.

#### Section 6. Accidental release measures

<b>Personal precautions:</b>	Ensure adequate ventilation.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Clean-up methods:</b>	Wipe up using absorbent material. Store in a partly filled, closed container until disposal. Dispose of contaminated material as waste according to Section 13.

#### Section 7. Handling and storage

<b>Handling:</b>	Use only in well-ventilated areas. Avoid skin and eye contact. See advice in section 8
<b>Storage:</b>	Store in a cool, dry place. Do not store near sources of heat or ignition, or reactive materials.

**Section 8. Exposure controls / personal protection****Components with specific control parameters for workplace:**

HEPTANE, ALL ISOMERS 142-82-5	<b>Value type</b>	Time Weighted Average (TWA):
	<b>ppm</b>	400
	<b>Remarks</b>	ACGIH
HEPTANE (N-HEPTANE) 142-82-5	<b>Value type</b>	Time Weighted Average (TWA):
	<b>ppm</b>	400
	<b>mg/m<sup>3</sup></b>	1,640
	<b>Remarks</b>	MY OEL
HEPTANE, ALL ISOMERS 142-82-5	<b>Value type</b>	Short Term Exposure Limit (STEL):
	<b>ppm</b>	500
	<b>Remarks</b>	ACGIH

<b>Respiratory protection:</b>	Use only in well-ventilated areas. 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)
<b>Hand protection:</b>	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.
<b>Eye protection:</b>	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.
<b>Body protection:</b>	Wear suitable protective clothing. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.
<b>Engineering controls:</b>	Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
<b>Hygienic measures:</b>	Good industrial hygiene practices should be observed. Do not eat, drink or smoke while working. Wash hands before work breaks and after finishing work.

**Section 9. Physical and chemical properties**

<b>Appearance:</b>	transparent, colourless, Clear liquid
<b>Odor:</b>	Aliphatic
<b>Odor threshold (CA):</b>	No data available.
<b>pH:</b>	Not applicable

<b>Melting point / freezing point:</b>	No data available.
<b>Specific gravity:</b>	0.68
<b>Boiling point:</b>	96 - 98 °C (204.8 - 208.4 °F)
<b>Flash point:</b>	-4 °C (24.8 °F)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower explosive limit:</b>	1.1 %(V)
<b>Upper explosive limit:</b>	6.7 %(V)
<b>Vapor pressure:</b> (; 20 °C (68 °F))	35 mm hg
<b>Vapor density:</b>	No data available.
<b>Density:</b>	0.718 g/cm <sup>3</sup>
<b>Solubility:</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto ignition:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>VOC content:</b> (2010/75/EC)	100 %

### Section 10. Stability and reactivity

<b>Reactivity/Incompatible materials:</b>	Strong oxidizing agents.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Stable under normal conditions of storage and use.
<b>Hazardous decomposition products:</b>	carbon oxides.

### Section 11. Toxicological information

<b>Oral toxicity:</b>	Acute toxicity estimate (ATE) : > 2,000 mg/kg Method: Calculation method
<b>Symptoms of Overexposure:</b>	SKIN: Redness, inflammation. ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema Vapors may cause drowsiness and dizziness. Prolonged or repeated contact may cause eye irritation.

**Acute oral toxicity:**

n-Heptane 142-82-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)

**Acute inhalative toxicity:**

n-Heptane 142-82-5	Value type	LC50
	Value	> 29,29 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

**Acute dermal toxicity:**

n-Heptane 142-82-5	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

n-Heptane 142-82-5	Result	irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

n-Heptane 142-82-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

n-Heptane 142-82-5	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

n-Heptane 142-82-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
n-Heptane 142-82-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	not applicable
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

**Repeated dose toxicity:**

n-Heptane 142-82-5	Result	
	Route of application	inhalation: vapour
	Exposure time / Frequency of treatment	16 weeks/12 hours/day, 7 days/week
	Species	rat
	Method	

**Section 12. Ecological information**

**Ecotoxicity:** Very toxic to aquatic organisms., Do not empty into drains / surface water / ground water.

**Toxicity:**

n-Heptane 142-82-5	Value type	LC50
	Value	> 220 - 270 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Leuciscus idus

	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	Value type	EC50
	Value	1.5 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	other guideline:

**Persistence and degradability:**

n-Heptane 142-82-5	Result	readily biodegradable
	Route of application	aerobic
	Degradability	70 %
	Method	other guideline:

**Bioaccumulative potential / Mobility in soil:**

n-Heptane 142-82-5	Bioconcentration factor (BCF)	552
	Exposure time	
	Species	calculation
	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)
n-Heptane 142-82-5	LogPow	4.66
	Temperature	
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

**Section 13. Disposal considerations****Product**

**Method of disposal:** Dispose of according to regulations.

**Packaging**

**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.

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

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

**Railroad transport RID:**

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

**Inland water transport ADN:**

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

**Marine transport IMDG:**

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

**Air transport IATA:**

Class:	3
Packing group:	II
Packaging instructions (passenger):	353
Packaging instructions (cargo):	364
UN no.:	1206
Label:	3
Proper shipping name:	Heptanes (solution)

**Section 15. Regulatory information**

**Regulatory Information:** Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 [P.U.(A) 310/213]  
Industry Code of Practice on Chemicals Classification and Hazard Communication

**Global inventory status:**

Regulatory list	Notification
EINECS	yes
TSCA	yes
AICS	yes
DSL	yes
ENCS (JP)	yes
KECI (KR)	yes
PICCS (PH)	yes
IECSC	yes
ISHL (JP)	yes
NZIOC	yes



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**Section 16. Other information**

**Disclaimer:**

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.