



## Safety Data Sheet in compliance with Indian Manufacture, Storage and Import of Hazardous Chemical (Amendment) Rules, 2000

LOCTITE 480 INSTANT ADHESIVE, BLACK known as 480 Prism® Instant Adhesive, B

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

#### Product identifier

LOCTITE 480 INSTANT ADHESIVE, BLACK known as 480 Prism® Instant Adhesive, B

**Material:** 135466

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

Intended use:  
Cyanoacrylate

#### Identification of manufacturer, importer or distributor:

Henkel Adhesives Tech. India Pvt Ltd.  
L&T Seawoods, Grand Central 401, B Wing, 4th Floor, Tower 1  
Seawoods  
400706 Navi Mumbai, Maharashtra

India

Phone: +91 022-7130-1112  
Fax-no.: +91 022-7130-1400

SDSinfo.Adhesive@henkel.com

#### Emergency telephone number

IN HAT: +91 9272203768

In case of any emergency call Poison Information Centre, JSS Hospital, Mysore: 24x7 Helpline No: +916363539153/ Toll Free No: 18004250207/ Mobile: +91 9901218640.

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

##### Classification (DPD):

Xi - Irritant  
R36/37/38 Irritating to eyes, respiratory system and skin.

#### Label elements

**Label elements (DPD):**

## Risk phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.

## Safety phrases:

S23 Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

Cyanoacrylate Adhesive

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

Hazardous components CAS-No.	EC Number	content	Classification
Ethyl 2-cyanoacrylate 7085-85-0	230-391-5	>= 60 - <= 100 %	Xi - Irritant; R36/37/38

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****Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.

Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.

Burns should be treated normally after the adhesive has been removed from the skin.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

**Eye contact:**

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.

Keep eye covered until debonding is complete, usually within 1-3 days.

Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

**Ingestion:**

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

**Section 5. Fire fighting measures****Suitable extinguishing media:**Foam, extinguishing powder, carbon dioxide.  
Fine water spray

**Special protection equipment and precautions for firefighters:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Hazardous combustion products:** Oxides of carbon, oxides of nitrogen, irritating organic vapors.

### Section 6. Accidental release measures

**Personal precautions:** Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains.

**Clean-up methods:** Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

### SECTION 7: Handling and storage

**Precautions for safe handling**

Ventilation (low level) is recommended when using large volumes  
Use of dispensing equipment is recommended to minimise the risk of skin or eye contact

**Conditions for safe storage, including any incompatibilities**

For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C (35.6 - 46.4 °F).

### Section 8. Exposure controls / personal protection

Ingredient	Regulated substance	Value type	ppm	mg/m <sup>3</sup>	Remarks
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**Respiratory protection:** Ensure adequate ventilation.

**Hand protection:** In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended.  
The use of chemical resistant gloves such as Nitrile is recommended.

**Eye protection:** Wear protective glasses.

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**General protection and hygiene measures:** The workplace should be equipped with an emergency shower and eye-rinsing facility.

**Hygienic measures:** Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.  
Take off contaminated clothing and wash before reuse.

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

<b>Appearance:</b>	Black Liquid
<b>Odor:</b>	Pungent, Irritating
<b>Odor threshold (CA):</b>	No data available.
<b>pH:</b>	Not applicable, Product reacts with water.
<b>Melting point / freezing point:</b>	Not applicable, Product is a liquid
<b>Specific gravity:</b>	1,1
<b>Boiling point:</b>	> 149 °C (> 300.2 °F)
<b>Flash point:</b> (Tagliabue closed cup)	80 - 93 °C (176 - 199.4 °F)
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower explosive limit:</b>	No data available.
<b>Upper explosive limit:</b>	No data available.
<b>Vapor pressure:</b> (; 25 °C (77 °F)no method / method unknown; 50 °C (122 °F))	< 0,5 mm hg < 700 hPa
<b>Vapor density:</b>	3
<b>Density:</b>	1,05 g/cm <sup>3</sup>
<b>Solubility:</b>	Solvent: Water, Polymerises in presence of water. Solvent: Acetone, Miscible
<b>Partition coefficient: n- octanol/water:</b>	No data available.
<b>Auto ignition:</b>	485 °C485 °C
<b>Decomposition temperature:</b>	
<b>Viscosity:</b>	No data available.
<b>VOC content:</b>	No data available.

**Section 10. Stability and reactivity**

<b>Reactivity/Incompatible materials:</b>	Water, amines, alkalis and alcohols.
<b>Possibility of hazardous reactions:</b>	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
<b>Conditions to avoid:</b>	Stable under normal conditions of storage and use.

**SECTION 11: Toxicological information****Information on toxicological effects****General toxicological information:**

No experimental toxicological data on the preparation as such is available.

**Acute oral toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	LD50	> 5.000 mg/kg	oral		rat	equivalent or similar to OECD Guideline 423 (Acute Oral toxicity)

**Acute dermal toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	LD50	> 2.000 mg/kg	dermal		rabbit	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	slightly irritating	24 h	rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	irritating		rabbit	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	not sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

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

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

**Toxicity**

No data available.

**Persistence and degradability**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Ethyl 2-cyanoacrylate 7085-85-0	not readily biodegradable.	aerobic	57 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
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**Bioaccumulative potential / Mobility in soil**

**Mobility:**

Cured adhesives are immobile.

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Ethyl 2-cyanoacrylate 7085-85-0	0,776				22 °C	EU Method A.8 (Partition Coefficient)

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Ethyl 2-cyanoacrylate 7085-85-0	0,776				22 °C	EU Method A.8 (Partition Coefficient)

**Results of PBT and vPvB assessment**

**Section 13. Disposal considerations**

**Waste disposal of product:** Dispose of in accordance with local and national regulations.

**Disposal for uncleaned package:** Dispose of in accordance with local and national regulations.

**Section 14. Transport information**

**Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Class:	9
Packing group:	III
Packing instructions (passenger)	964
Packing instructions (cargo)	964
UN no.:	3334
Label:	9
Proper shipping name:	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Additional Information:	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

**Section 15. Regulations - classification and identification**

No reference to national Indian legislation is to be made, as there are no hazardous ingredient present.

**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:  
R36/37/38 Irritating to eyes, respiratory system and skin.

**Further information:**

Dear Customer,  
Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**

**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.

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