



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

Page 1 of 14

PATTEX 2C Professional Rapid Adhesive

SDS No. : 545085  
V003.0

Revision: 14.04.2023

printing date: 05.11.2023

Replaces version from: 25.09.2019

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

### 1.1. Product identifier

PATTEX 2C RAPID SUPER GLUE

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

Intended use:

Cyanoacrylate

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

Henkel Jebal Ali FZCO

PO Box 61341 - Jebel Ali

Dubai

Utd.Arab.Emir.

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

### 1.4. Emergency telephone number

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (CLP):

Skin irritation Category 2

H315 Causes skin irritation.

Serious eye irritation Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure Category 3

H335 May cause respiratory irritation.

Target organ: respiratory tract irritation

**Chronic hazards to the aquatic environment Category 3**

**H412 Harmful to aquatic life with long lasting effects.**

### 2.2. Label elements

#### Label elements (CLP):

Hazard pictogram:



Contains

Ethyl 2-cyanoacrylate

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 2 of 14

<b>Signal word:</b>	Warning
<b>Hazard statement:</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
<b>Supplemental information</b>	EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. Contains: Hydroquinone May produce an allergic reaction.
<b>Precautionary statement:</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.
<b>Precautionary statement: Prevention</b>	P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection.
<b>Precautionary statement: Response</b>	P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
<b>Precautionary statement: Storage</b>	P405 Store locked up.
<b>Precautionary statement: Disposal</b>	P501 Dispose of contents/container in accordance with national regulation.

## 2.3. Other hazards

None if used properly.

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

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 3 of 14

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

Hazardous components CAS-No.	EC Number	content	Classification
Ethyl 2-cyanoacrylate 7085-85-0	230-391-5	80- 90 %	Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315
Hydroquinone 123-31-9	204-617-8	0,1- 0,5 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Carc. 2 H351 Muta. 2 H341 Acute Tox. 4; Oral H302 Eye Dam. 1 H318 Skin Sens. 1 H317

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

#### General information:

In case of adverse health effects seek medical advice.

#### Inhalation:

Move to fresh air, consult doctor if complaint persists.

#### Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

#### Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

#### Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

SKIN: Redness, inflammation.

Causes serious eye irritation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 4 of 14

## 5.1. Extinguishing media

### Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

### 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) and carbon dioxide (CO<sub>2</sub>) can be released.

## 5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

Wear protective equipment.

Danger of slipping on spilled product.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

### 6.2. Environmental precautions

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

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

Remove with liquid-absorbing material (sand, peat, sawdust).

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

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

#### Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

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

Keep container tightly sealed.

Keep away from heat and direct sunlight.

Store in a cool, dry place.

Ensure adequate ventilation.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

### 7.3. Specific end use(s)

Cyanoacrylate

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 5 of 14

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Utd.Arab.Emir.

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Ethyl 2-cyanoacrylate 7085-85-0 [ETHYL CYANOACRYLATE (ETHYL 2-CYANOACRYLATE)]	0,2	1	Time Weighted Average (TWA):		AD TLV
Hydroquinone 123-31-9 [HYDROQUINONE]		1	Time Weighted Average (TWA):		AD TLV
Hydroquinone 123-31-9 [1,4-DIHYDROBENZENE HYDROQUINONE]		2	Time Weighted Average (TWA):		GCC TLV
Hydroquinone 123-31-9 [1,4-DIHYDROBENZENE HYDROQUINONE]		2	Time Weighted Average (TWA):		UAE OEL

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 6 of 14

## Occupational Exposure Limits

Valid for  
Bahrain

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Hydroquinone 123-31-9 [HYDRO QUINONE 1,4-DIHYDROBENZENE]		2	Time Weighted Average (TWA):		BH TLV
Hydroquinone 123-31-9 [1,4-DIHYDROBENZENE HYDROQUINONE]		2	Time Weighted Average (TWA):		GCC TLV

## Occupational Exposure Limits

Valid for  
Egypt

None

## Occupational Exposure Limits

Valid for  
Jordan

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Hydroquinone 123-31-9 [HYDROQUINONE]	75	360	Short Term Exposure Limit (STEL):		JO TLV
Hydroquinone 123-31-9 [HYDROQUINONE]	50	240	Time Weighted Average (TWA):		JO TLV

## Occupational Exposure Limits

Valid for  
Kuwait

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Hydroquinone 123-31-9 [1,4-DIHYDROBENZENE HYDROQUINONE]		2	Time Weighted Average (TWA):		GCC TLV
Hydroquinone 123-31-9 [HYDROQUINONE]		50	Harmful Concentration for risk to health and life:		KW OEL

## Occupational Exposure Limits

Valid for  
Israel

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Ethyl 2-cyanoacrylate 7085-85-0 [CYANOACRYLATES, ETHYL AND METHYL]	1		Short-term exposure limit (STEL):		IL OEL

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 7 of 14

Ethyl 2-cyanoacrylate 7085-85-0 [CYANOACRYLATES, ETHYL AND METHYL]	0,2		Time Weighted Average (TWA):		IL OEL
Hydroquinone 123-31-9 [Hydroquinone]		1	Time Weighted Average (TWA):		IL OEL

## Occupational Exposure Limits

Valid for  
Kenya

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Hydroquinone 123-31-9 [P-DIHYDROXYBENZENE HYDROQUINONE]		2	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Hydroquinone 123-31-9 [HYDROQUINONE P-DIHYDROXYBENZENE]		4	Short-term OEL-RL:		KE OEL-RL

## Biological Exposure Indices:

None

## 8.2. Exposure controls:

### Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.  
Combination filter: ABEKP (EN 14387)  
This recommendation should be matched to local conditions.

### Hand protection:

Recommended are gloves made from Nitril rubber ( Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

Perforation time > 30 minutes

material thickness > 0.4 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

### Eye protection:

Goggles which can be tightly sealed.  
Protective eye equipment should conform to EN166.

### Skin protection:

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.

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 8 of 14

## SECTION 9: Physical and chemical properties

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

Appearance	liquid liquid colourless
Odor	characteristic
Odour threshold	No data available / Not applicable
pH (20 °C (68 °F); Conc.: 100 % product)	5,8 - 6,3
Initial boiling point	> 200 °C (> 392 °F)
Flash point	80 - 93,4 °C (176 - 200.12 °F); Internal Henkel specification
Decomposition temperature	No data available / Not applicable
Vapour pressure (50 °C (122 °F))	< 0,2 mbar
Density (20 °C (68 °F))	1,05 - 1,07 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Viscosity (; 20 °C (68 °F))	1.200 - 1.800 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Polymerises in presence of water.
Solidification temperature	No data available / Not applicable
Melting point	Not applicable, Product is a liquid
Flammability	No data available / Not applicable
Auto-ignition temperature	485 °C (905 °F)
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density (20 °C)	3
Oxidising properties	No data available / Not applicable

### 9.2. Other information

Ignition temperature	485 °C (905 °F)
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

None if used for intended purpose.

### 10.5. Incompatible materials

None if used properly.

### 10.6. Hazardous decomposition products

None known.



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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 9 of 14

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### General toxicological information:

An allergic reaction cannot be excluded after repeated skin contact.

#### Skin irritation:

Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg  
Due to polymerisation at the skin surface allergic reaction is unlikely to occur

#### Eye irritation:

Liquid product will bond eyelids. In a dry atmosphere (RH<50%) vapours may cause irritation and lachrymatory effect

#### 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)
Hydroquinone 123-31-9	LD50	367 mg/kg	oral		rat	OECD Guideline 401 (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)
Hydroquinone 123-31-9	LD50	> 2.000 mg/kg	dermal		rabbit	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)
Hydroquinone 123-31-9	not irritating	24 h	rabbit	Weight of evidence

#### 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)

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 10 of 14

## Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethyl 2-cyanoacrylate 7085-85-0	not sensitising	Skin sensitisation	guinea pig	not specified
Hydroquinone 123-31-9	sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
Hydroquinone 123-31-9	sensitising	Mouse local lymph node assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

## 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)
Hydroquinone 123-31-9	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)
	positive	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Hydroquinone 123-31-9	positive	intraperitoneal		mouse	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: gavage		rat	equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)
	positive	intraperitoneal		mouse	equivalent or similar to OECD Guideline 483 (Mammalian Spermatogonial Chromosome Aberration Test)

## Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure time Frequency of treatment	Route of application	Method
Hydroquinone 123-31-9	carcinogenic	rat	male/female	103 w 5 d/w	oral: gavage	equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Hydroquinone 123-31-9	carcinogenic	mouse	female	103 w 5 d/w	oral: gavage	equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 11 of 14

## Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Hydroquinone 123-31-9	NOAEL P = 15 mg/kg NOAEL F1 = 150 mg/kg NOAEL F2 = 150 mg/kg	Two generation study oral: gavage		rat	EPA OTS 798.4700 (Reproduction and Fertility Effects)

## Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Hydroquinone 123-31-9	NOAEL=50 mg/kg	oral: gavage	13 w5 d/w	rat	not specified
Hydroquinone 123-31-9	NOAEL=73,9 mg/kg	dermal	13 w6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Hydroquinone 123-31-9	LC50	0,638 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Hydroquinone 123-31-9	EC50	0,134 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydroquinone 123-31-9	EC50	0,335 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test) not specified
Hydroquinone 123-31-9	EC 50	0,038 mg/l	Bacteria	30 min		
Hydroquinone 123-31-9	NOEC	0,0057 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

### 12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Ethyl 2-cyanoacrylate 7085-85-0	not readily biodegradable.	aerobic	57 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Hydroquinone 123-31-9	readily biodegradable	aerobic	75 - 81 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)

### 12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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# Safety Data Sheet according to (EC) No 1907/2006 as amended

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 12 of 14

Ethyl 2-cyanoacrylate 7085-85-0	0,776				22 °C	EU Method A.8 (Partition Coefficient)
Hydroquinone 123-31-9	0,59					EU Method A.8 (Partition Coefficient)

## 12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Ethyl 2-cyanoacrylate 7085-85-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Hydroquinone 123-31-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080409

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 13 of 14

## SECTION 14: Transport information

### 14.1. UN number or ID number

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	3334

### 14.2. UN proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)

### 14.3. Transport hazard class(es)

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	9

### 14.4. Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	III

### 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
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	Not more than 500 ml (each inner package) - Unrestricted

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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

SDS No.: 545085 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 14 of 14

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available:

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable

### 15.2. Chemical safety assessment

A chemical safety assessment has 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.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

### Further information:

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.

This Safety Data Sheet has been generated based on Regulation (EC) No 1907/2006 and it is applicable for Gulf Cooperation Council (GCC) and Africa only. No warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory, including export laws and regulations. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory affairs for additional assistance.

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**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.**

## Annex - Exposure Scenarios:

Exposure Scenarios for ethyl 2-cyanoacrylate can be downloaded under the following link:  
<https://mysds.henkel.com/index.html#/appSelection>



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

Page 1 of 16

PATTEX 2C Professional Rapid Adhesive

SDS No. : 545135  
V003.0

Revision: 14.04.2023  
printing date: 05.11.2023  
Replaces version from: -

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

#### 1.1. Product identifier

PATTEX 2C RAPID ACTIVATOR

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

Intended use:  
Hardener

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

Henkel Jebal Ali FZCO  
PO Box 61341 - Jebel Ali  
Dubai

Utd.Arab.Emir.

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

### SECTION 2: Hazards identification

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

##### Classification (CLP):

Flammable aerosols	Category 1
H222 Extremely flammable aerosol.	
H229 Pressurized container: May burst if heated.	
Skin irritation	Category 2
H315 Causes skin irritation.	
Toxic to reproduction	Category 2
H361f Suspected of damaging fertility.	
Specific target organ toxicity - single exposure	Category 3
H336 May cause drowsiness or dizziness.	
Target organ: Central nervous system	
Specific target organ toxicity - repeated exposure	Category 2
H373 May cause damage to organs through prolonged or repeated exposure.	
Chronic hazards to the aquatic environment	Category 2
H411 Toxic to aquatic life with long lasting effects.	

#### 2.2. Label elements

##### Label elements (CLP):

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 2 of 16



**Contains** n-Hexane

**Signal word:** Danger

**Hazard statement:**

- H222 Extremely flammable aerosol.
- H229 Pressurized container: May burst if heated.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement:**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.

**Precautionary statement: Prevention**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe mist/vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.

**Precautionary statement: Response**

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P308+P313 IF exposed or concerned: Get medical advice/attention.

**Precautionary statement: Storage**

- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Precautionary statement: Disposal**

- P501 Dispose of contents/container in accordance with national regulation.

## 2.3. Other hazards

None if used properly.

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



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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 3 of 16

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

Hazardous components CAS-No.	EC Number	content	Classification
n-Hexane 110-54-3	203-777-6	50- 70 %	Flam. Liq. 2 H225 Repr. 2 H361f Asp. Tox. 1 H304 STOT RE 2 H373 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411
Petroleum gases, liquefied 68476-85-7	270-704-2	30- 40 %	Flam. Gas 1A H220 Press. Gas H280, H281
N,N-Dimethyl-p-toluidine 99-97-8	202-805-4	0,1- < 1 %	Acute Tox. 3; Oral H301 Acute Tox. 3; Dermal H311 Acute Tox. 3; Inhalation H331 STOT RE 2 H373 Aquatic Chronic 3 H412 Carc. 2 H351

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

#### General information:

In case of adverse health effects seek medical advice.

#### Inhalation:

Move to fresh air, consult doctor if complaint persists.

#### Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

#### Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

#### Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

SKIN: Redness, inflammation.

Vapors may cause drowsiness and dizziness.

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 4 of 16

## 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:

carbon dioxide, foam, powder, water spray jet, fine water spray

#### 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) and carbon dioxide (CO<sub>2</sub>) can be released.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

## SECTION 6: Accidental release measures

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

Wear protective equipment.

Danger of slipping on spilled product.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

### 6.2. Environmental precautions

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

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

Remove with liquid-absorbing material (sand, peat, sawdust).

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

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

#### Hygiene measures:

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

For pressurized can: protect from direct sunshine and temperatures above 50°C.

Protect from direct sunlight and temperatures above 50°C. The storage regulations for aerosols apply.

Keep away from sources of ignition.

Ensure adequate ventilation.

Keep container tightly sealed.

Store in a cool, dry place.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 5 of 16

## 7.3. Specific end use(s) Hardener

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational Exposure Limits

Valid for  
Utd.Arab.Emir.

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]			Skin designation:	Can be absorbed through the skin.	AD TLV
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		AD TLV
n-Hexane 110-54-3 [N-HEXANE]	20	72	Time Weighted Average (TWA):		DB OEL
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		GCC TLV
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		UAE OEL
Petroleum gases, liquefied 68476-85-7 [L.P.G (LIQUEFIED PETROLEUM GAS)]	1.000	1.800	Time Weighted Average (TWA):		AD TLV
Petroleum gases, liquefied 68476-85-7 [LPG ( LIQUIDIFIED PETROLEUM GAS )]	1.000		Time Weighted Average (TWA):		DB OEL
Petroleum gases, liquefied 68476-85-7 [L.P.G]	1.000	1.800	Time Weighted Average (TWA):		GCC TLV
Petroleum gases, liquefied 68476-85-7 [L.P.G.]	1.000	1.800	Time Weighted Average (TWA):		UAE OEL

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 6 of 16

## Occupational Exposure Limits

Valid for  
Bahrain

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		BH TLV
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		GCC TLV
Petroleum gases, liquefied 68476-85-7 [L.P.G]	1.000	1.800	Time Weighted Average (TWA):		BH TLV
Petroleum gases, liquefied 68476-85-7 [L.P.G]	1.000	1.800	Time Weighted Average (TWA):		GCC TLV

## Occupational Exposure Limits

Valid for  
Egypt

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		EG OEL
n-Hexane 110-54-3 [N-HEXANE]			Skin designation:	Can be absorbed through the skin.	EG OEL
Petroleum gases, liquefied 68476-85-7 [Liquefied petroleum gas]	1.000	1.800	Time Weighted Average (TWA):		EG OEL

## Occupational Exposure Limits

Valid for  
Jordan

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [HEXANE (REGULAR)]	50	180	Time Weighted Average (TWA):		JO TLV

## Occupational Exposure Limits

Valid for  
Kuwait

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]	50	176	Time Weighted Average (TWA):		GCC TLV
n-Hexane 110-54-3 [HEXANE]	50	180	Time Weighted Average (TWA):		KW OEL
n-Hexane 110-54-3	1.100		Harmful Concentration for risk to health and life:		KW OEL

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 7 of 16

[HEXANE] n-Hexane 110-54-3 [HEXANE]			Skin designation:	Can be absorbed through the skin.	KW OEL
Petroleum gases, liquefied 68476-85-7 [L.P.G]	1.000	1.800	Time Weighted Average (TWA):		GCC TLV
Petroleum gases, liquefied 68476-85-7 [LIQUID PETROLUEM GAS (LPG)]	2.000		Harmful Concentration for risk to health and life:		KW OEL
Petroleum gases, liquefied 68476-85-7 [LIQUID PETROLUEM GAS (LPG)]	1.000	1.800	Time Weighted Average (TWA):		KW OEL

## Occupational Exposure Limits

Valid for  
Israel

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]	50		Time Weighted Average (TWA):		IL OEL
n-Hexane 110-54-3 [N-HEXANE]			Skin designation:	Danger of cutaneous absorption	IL OEL

## Occupational Exposure Limits

Valid for  
Kenya

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
n-Hexane 110-54-3 [N-HEXANE]	20	70	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Petroleum gases, liquefied 68476-85-7 [LIQUIFIED PETROLEUM GAS (LPG)]	1.250	2.250	Short-term OEL-RL:		KE OEL-RL
Petroleum gases, liquefied 68476-85-7 [LIQUIFIED PETROLEUM GAS (LPG)]	1.000	1.800	Time-weighted average (TWA) OEL-RL:		KE OEL-RL

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 8 of 16

## Biological Exposure Indices:

None

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
n-Hexane 110-54-3 [N-HEXANE]	2,5-Hexanedion, without hydrolysis hexane	Creatinine in urine	Sampling time: End of shift.	5 mg/g	KW BEL		
n-Hexane 110-54-3 [N-HEXANE [ENTRY 2]]		End-exhaled air	Sampling time: End of shift.		KW BEL		

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
n-Hexane 110-54-3 [N-HEXANE]	2,5-Hexanedion, without hydrolysis	Urine	Sampling time: End of shift.	0,5 mg/l	IL BEI		Source of Limit value: ACGIH

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
n-Hexane 110-54-3 [N-HEXANE]	n-hexane	End-exhaled air			KE BEI	D: This notation indicates that the biological determinant is an indicator of exposure to the chemical, but the quantitative interpretation of the measurement is ambiguous (semi-quantitative). These biological determinants should be used as a screening test if a quantitative test is not practical or a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question.	
n-Hexane 110-54-3 [N-HEXANE]	2,5-Hexanedione	Creatinine in urine	Sampling time: End of shift.	5 mg/g	KE BEI	C: This notation indicates that the determinant is non-specific, since it is observed after	

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

						exposure to some other chemicals. These non-specific tests are preferred because they are easy to use and usually offer a better correlation with exposure than specific tests. In such instances a BEI for a specific, less quantitative biological determinant is recommended as a confirmatory test.
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## 8.2. Exposure controls:

### Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.  
Combination filter: ABEKP (EN 14387)  
This recommendation should be matched to local conditions.

### Hand protection:

Recommended are gloves made from Nitril rubber ( Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.  
material thickness > 0.4 mm

Perforation time > 30 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

### Eye protection:

Goggles which can be tightly sealed.  
Protective eye equipment should conform to EN166.

### Skin protection:

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.

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 10 of 16

## SECTION 9: Physical and chemical properties

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

Appearance	pressurized can Aerosol Clear
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	Not applicable
Initial boiling point	64 - 72 °C (147.2 - 161.6 °F)
Flash point	60 °C (140 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,78 g/cm <sup>3</sup>
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)	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Melting point	Not applicable, Product is a liquid
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
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

### 9.2. Other information

No data available / Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

None if used for intended purpose.

### 10.5. Incompatible materials

None if used properly.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects



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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 11 of 16

## Inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

In the event of protracted or repeated exposure, damage to health cannot be excluded.

## Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
n-Hexane 110-54-3	LD50	16.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

## Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
n-Hexane 110-54-3	LC50	> 31,86 mg/l	vapour	4 h	rat	not specified
Petroleum gases, liquefied 68476-85-7	LC50	539600 ppm	gas	2 h	mouse	not specified
N,N-Dimethyl-p-toluidine 99-97-8	Acute toxicity estimate (ATE)	1,4 mg/l	mist			Expert judgement

## Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
n-Hexane 110-54-3	LD50	> 2.000 mg/kg	dermal		rabbit	not specified

## Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
n-Hexane 110-54-3	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

## Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
n-Hexane 110-54-3	not irritating		rabbit	not specified

## Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
n-Hexane 110-54-3	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 12 of 16

## Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
n-Hexane 110-54-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-Hexane 110-54-3	negative	inhalation: vapour		mouse	not specified
	negative	inhalation: vapour		rat	not specified
Petroleum gases, liquefied 68476-85-7	negative	inhalation: gas		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

## Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure time/Frequency of treatment	Route of application	Method
n-Hexane 110-54-3	not carcinogenic	mouse	female	2 y 6 h/d; 5 d/w	inhalation: vapour	OECD Guideline 451 (Carcinogenicity Studies)
N,N-Dimethyl-p-toluidine 99-97-8	carcinogenic	rat	male/female	104 w 5 d / week	oral: gavage	equivalent or similar OECD Guideline 451 (Carcinogenicity Studies)
N,N-Dimethyl-p-toluidine 99-97-8	carcinogenic	mouse	male/female	104 w 5 d / week	oral: gavage	equivalent or similar OECD Guideline 451 (Carcinogenicity Studies)

## Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
n-Hexane 110-54-3	NOAEL P = 9000 ppm NOAEL F1 = 3000 ppm NOAEL F2 = 3000 ppm	Two generation study inhalation: vapour	10 w	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
Petroleum gases, liquefied 68476-85-7	NOAEL P = 10000 ppm	Fertility inhalation: gas	13 w	rat	not specified

## Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
n-Hexane 110-54-3	NOAEL=568 mg/kg	oral: gavage	90 d5 d/w	rat	not specified
n-Hexane 110-54-3	NOAEL=500 ppm	inhalation: vapour	90 d6 h/d; 5 d/w	mouse	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Petroleum gases, liquefied 68476-85-7	NOAEL=10000 ppm	inhalation: gas	14 w6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 13 of 16

## 12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
n-Hexane 110-54-3	LC50	> 1 - 10 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Hexane 110-54-3	EC50	2,1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
N,N-Dimethyl-p-toluidine 99-97-8	LC50	78,62 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
N,N-Dimethyl-p-toluidine 99-97-8	EC50	10,34 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N,N-Dimethyl-p-toluidine 99-97-8	EC50	23,69 mg/l	Algae	72 h	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

## 12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
n-Hexane 110-54-3	readily biodegradable	aerobic	81 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
N,N-Dimethyl-p-toluidine 99-97-8	not readily biodegradable.	aerobic	1 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

## 12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Hexane 110-54-3	4				20 °C	other guideline:
N,N-Dimethyl-p-toluidine 99-97-8		33		other		other guideline:
N,N-Dimethyl-p-toluidine 99-97-8	2,81				25 °C	other guideline:

## 12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
n-Hexane 110-54-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
N,N-Dimethyl-p-toluidine 99-97-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## 12.6. Other adverse effects

No data available.

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

## SECTION 14: Transport information

### 14.1. UN number or ID number

ADR	1950
RID	1950
ADN	1950
IMDG	1950
IATA	1950

### 14.2. UN proper shipping name

ADR	AEROSOLS
RID	AEROSOLS
ADN	AEROSOLS
IMDG	AEROSOLS
IATA	Aerosols, flammable

### 14.3. Transport hazard class(es)

ADR	2.1
RID	2.1
ADN	2.1
IMDG	2.1
IATA	2.1

### 14.4. Packing group

ADR  
RID  
ADN  
IMDG  
IATA

### 14.5. Environmental hazards

ADR	Environmentally Hazardous
RID	Environmentally Hazardous
ADN	Environmentally Hazardous
IMDG	Environmentally Hazardous
IATA	not applicable

### 14.6. Special precautions for user

ADR	not applicable Tunnelcode: (D)
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# Safety Data Sheet according to (EC) No 1907/2006 as amended

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 15 of 16

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

- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available:

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable

### 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:

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H281 Contains refrigerated gas; may cause cryogenic burns or injury.  
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.  
H351 Suspected of causing cancer.  
H361f Suspected of damaging fertility.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

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

SDS No.: 545135 V003.0 PATTEX 2C Professional Rapid Adhesive

Page 16 of 16

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## **Further information:**

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.

This Safety Data Sheet has been generated based on Regulation (EC) No 1907/2006 and it is applicable for Gulf Cooperation Council (GCC) and Africa only. No warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory, including export laws and regulations. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory affairs for additional assistance.

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.**