



**Safety Data Sheet** according to GB/T 16483 and GB/T 17519

**Pattex PKME15C PTB**

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Material No.: 2952053  
V001.10  
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**1. Identification of the substance/preparation and of the company/undertaking**

**Product name:** Pattex PKME15C PTB

**Intended use:** 2-Component epoxy adhesive

**Manufacturer/Importer/Distributor Representative Company**

Henkel Adhesive Technology (Shanghai) Co., Ltd.  
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**Revision date:** 26.12.2025  
**Emergency Telephone for  
Chemical Accidents:** +86 21 2891 8311 (24h).

**2. Hazards identification**

**EMERGENCY OVERVIEW:**

Gray / Grey, liquid, May be harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

**Classification of the substance or mixture according to GB 3000.1 (Specification for classification and labelling of chemicals—Part 1 : General rules):**

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Route of Exposure</u>
Acute toxicity	Category 5	Oral
Skin corrosion/irritation	Sub-category 1C	
Serious eye damage/eye irritation	Category 1	
Skin sensitizer	Category 1	
Acute hazards to the aquatic environment	Category 3	
Chronic hazards to the aquatic environment	Category 3	

**Label elements according to GB 15258 (General rules for preparation of precautionary label for chemicals):**

**Hazard pictogram:**



**Signal word:** Danger

<b>Hazard statement:</b>	H303 May be harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
<b>Prevention:</b>	P261 Avoid breathing mist/vapours. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response:</b>	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P301+P333+P317 IF SWALLOWED or if skin irritation or rash occurs: Get medical help. P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P304+P340+P316 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. P305+P354+P338+P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help. P362+P364 Take off contaminated clothing and wash it before reuse.
<b>Storage:</b>	P405 Store locked up.
<b>Disposal:</b>	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.

**Physical and chemical hazards:**

Based on current information, there are no physical or chemical hazards.

**Health hazards:**

May be harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction.

**Environmental hazards:**

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

**3. Composition / information on ingredients**

**Substance or Mixture:**

Mixture

**Declaration of the ingredients according to GB 30000.1:**

Hazard component CAS-No.	Content	GHS Classification
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	50- < 70 %	Acute toxicity 5; Oral H303 Skin sensitizer 1B H317 Acute hazards to the aquatic environment 3 H402 Chronic hazards to the aquatic environment 3 H412
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	10- < 20 %	Acute toxicity 4; Oral H302 Skin corrosion/irritation 1C H314 Serious eye damage/eye irritation 1 H318 Acute hazards to the aquatic environment 3 H402

Only hazardous ingredients for which a classification according to GB 30000.1 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

#### 4. First aid measures

**Description of necessary first-aid measures:**

<b>Skin contact:</b>	Immediately remove soiled or soaked clothing. Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Eye contact:</b>	Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
<b>Inhalation:</b>	Move to fresh air. Keep warm and in a quiet place. Administer oxygen or artificial respiration as needed. Seek medical attention from a specialist.
<b>Ingestion:</b>	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.
<b>Most important symptoms/effects, acute and delayed:</b>	The most important known symptoms and effects are described in chapters 2 and/or 11.
<b>Indication of any immediate medical attention and special treatment needed, if necessary:</b>	Post-exposure treatment should focus on controlling the patient's clinical symptoms and signs.

#### 5. Fire fighting measures

<b>Suitable extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide. Fine water spray
<b>Fire-fighting method:</b>	In case of fire, keep containers cool with water spray.
<b>Special hazards arising from the substance or mixture:</b>	Irritating vapors. Carbon dioxide carbon monoxide nitrogen oxides
<b>Special protective actions for fire-fighters:</b>	Keep unnecessary personnel away. Wear full protective clothing. Wear self-contained breathing apparatus.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Keep unprotected persons away. Avoid skin and eye contact. Wear protective equipment. See advice in section 8
<b>Methods and materials for containment and cleaning up:</b>	Do not empty into drains / surface water / ground water. Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Section 13.

### 7. Handling and storage

- Precautions for safe handling:** Ensure good ventilation/suction at the workplace.  
Wear suitable protective clothing, safety glasses and gloves.  
Avoid skin and eye contact.  
Keep out of the reach of children.  
When using do not eat, drink or smoke.  
See advice in section 8
- Hygiene measures:** Do not eat, drink, smoke or take snuff while working.  
Wash thoroughly after handling.  
Keep absolute tidiness at the working place. Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
- Conditions for safe storage, including any incompatibilities:** Ensure that storage and workrooms are adequately ventilated.  
Keep container tightly sealed.  
Keep away from heat and direct sunlight.  
Store in a cool, dry place.  
Store far from foodstuffs.

### 8. Exposure controls / personal protection

**Controls parameters:**

**Occupational Exposure Limits:**

Hazardous components CAS-No.	GBZ 2.1-2019	ACGIH	NIOSH	OSHA
Quartz (SiO <sub>2</sub> ), <1% respirable 14808-60-7	0.5 mg/m <sup>3</sup> PC-TWA Total dust. 0.2 mg/m <sup>3</sup> PC-TWA Respirable dust. 1 mg/m <sup>3</sup> PC-TWA Total dust. 0.7 mg/m <sup>3</sup> PC-TWA Respirable dust. 0.3 mg/m <sup>3</sup> PC-TWA Respirable dust. 0.7 mg/m <sup>3</sup> PC-TWA Total dust.	0.025 mg/m <sup>3</sup> TWA Respirable fraction.	none	0.05 mg/m <sup>3</sup> TWA  0.025 mg/m <sup>3</sup> TWA

- Biological Exposure Indices:** no data available
- Engineering controls:** Ensure good ventilation/extraction.  
Handle in accordance with good industrial hygiene and safety practice
- Respiratory protection:** Suitable breathing mask when there is inadequate ventilation.
- Eye protection:** Wear tight fitting goggles.
- Body protection:** Wear suitable protective clothing.  
Protective clothing that covers arms and legs.

**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): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 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.

**9. Physical and chemical properties**

Physical state:	liquid	Appearance:	Gray / Grey
Evaporation rate:	Not available.	Odor:	Not available.
pH:	4	Melting point:	Not available.
Boiling point:	> 150 °C (> 302 °F)	Density:	1.35 g/cm <sup>3</sup>
Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	257 °C (494.6 °F)	Ignition temperature:	Not available.
Lower explosive limit:	Not available.	Upper explosive limit:	Not available.
Solubility in water	Not available.	Viscosity:	17,500 mPa.s
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not available.	Decomposition temperature:	Not available.
<b>VOC:</b>	Bulk adhesive Epoxy Resins Others < 50 g/kg, GB 33372-2020 Limit of volatile organic compounds content in adhesive, Two components product, reacting with RSN#456800 (part A)		

**10. Stability and reactivity**

<b>Reactivity:</b>	Strong oxidizers, peroxides, acids, alkalis. alkalis
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	None if used properly.
<b>Conditions to avoid:</b>	Excessive heat. Freezing conditions.
<b>Incompatible materials:</b>	None if used properly.
<b>Hazardous decomposition products:</b>	See section 5.
<b>Hazardous polymerization:</b>	Will not occur.

## 11. Toxicological information

### General toxicological information:

No laboratory animal data available.

### Acute oral toxicity:

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	Value type	LD50
	Value	2,600 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	Value type	LD50
	Value	1,200 mg/kg
	Species	rat
	Method	not specified

### Acute dermal toxicity:

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	Value type	LD50
	Value	> 10,200 mg/kg
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)

### Acute inhalative toxicity:

No data available.

### Skin corrosion/irritation:

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	Result	corrosive
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	Result	Sub-Category 1C (corrosive)
	Exposure time	
	Species	Corrositex Biobarrier Membrane (reconstituted collagen matrix)
	Method	OECD Guideline 435 (In Vitro Membrane Barrier Test Method for Skin Corrosion)

### Serious eye damage/irritation:

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3- propanediol (4:1), 2-hydroxy-3- mercaptopropyl ether 72244-98-5	Result	Sub-Category 1B (sensitising)
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
2,4,6- tris(dimethylaminomethyl)phenol 90-72-2	Result	not sensitising
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
2,4,6- tris(dimethylaminomethyl)phenol 90-72-2	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

2,4,6- tris(dimethylaminomethyl)pheno l 90-72-2	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)
2,4,6- tris(dimethylaminomethyl)pheno l 90-72-2	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
2,4,6- tris(dimethylaminomethyl)pheno l 90-72-2	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**Other remarks:**

Not available.

**General ecological information:**

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

**Toxicity:**

**Toxicity (Fish):**

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

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	LC50	87 mg/l	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	LC50	153 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	ISO 7346-1 (Determination of the Acute Lethal Toxicity of Substances to a Freshwater Fish [Brachydanio rerio Hamilton-Buchanan (Teleostei, Cyprinidae)])

**Toxicity (aquatic invertebrates):**

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

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	EC50	12 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	EC50	> 100 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**Chronic toxicity (aquatic invertebrates):**

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

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	NOEC	3.5 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

**Toxicity (Algae):**

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

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	EC50	> 733 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	NOEC	338 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	EC50	46.7 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	NOEC	6.44 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

#### Toxicity (microorganisms):

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

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	EC50	> 1,000 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	EC0	27 mg/l	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)

#### Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	not readily biodegradable.	aerobic	5 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	not readily biodegradable.	aerobic	4 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential**

No data available.

No substance data available.

**Mobility in soil:**

Hazardous components CAS-No.	LogPow	Temperature	Method
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether 72244-98-5	1.2	20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
2,4,6-tris(dimethylaminomethyl)phenol 90-72-2	-0.66	21.5 °C	EPA OPPTS 830.7550 (Partition Coefficient, n-octanol / H2O, Shake Flask Method)

**Endocrine disrupting properties**

No data available.

**Other adverse effects**

Not available.

**13. Disposal considerations**

**Product disposal:**

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.

**14. Transport information**

**Road transport CN\_DG:**

Class: 8  
 Packing group: III  
 Classification code:  
 Hazard ident. number:  
 UN no.: 2735  
 Label: 8  
 Technical name: AMINES, LIQUID, CORROSIVE, N.O.S. (2,4,6-Tris(dimethyl amino methyl) phenole)

**Marine transport IMDG:**

Class: 8  
 Packing group: III  
 UN no.: 2735  
 Label: 8  
 EmS: F-A ,S-B  
 Seawater pollutant: -

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (2,4,6-Tris(dimethyl amino methyl) phenole)

**Air transport IATA:**

Class: 8  
Packing group: III  
Packaging instructions (passenger): 852  
Packaging instructions (cargo): 856  
UN no.: 2735  
Label: 8  
Proper shipping name: Amines, liquid, corrosive, n.o.s. (2,4,6-Tris(dimethyl amino methyl) phenole)

**Notice For Transportation:** Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

### 15. Regulatory information

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

“Law of the People's Republic of China on Work Safety”.

Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases”.

“Law of the People's Republic of China on environmental protection”.

“Regulation on the Safety Management of Hazardous Chemicals”.

“Regulations on License to Work Safety”.

**China Inventory of Existing Chemicals:**

All components are listed or are exempt from Inventory of Existing Chemical Substances in China.

### 16. Other information

**Issue date:** 16.04.2026  
**Issue department:** Product Safety & Regulatory Affairs for China  
**RSN No.:** 000000456802

**Disclaimer:**

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**Others:**

**The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:**

H302 Harmful if swallowed.  
H303 May be harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.