



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

LOCTITE PC 7350 400ML PT A

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Material No.: 2320554

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

Product name: LOCTITE PC 7350 400ML PT A

Intended use: Polyester Resin

Manufacturer/Importer/Distributor Representative Company

Henkel Adhesive Technology (Shanghai) Co., Ltd.
Room 105, 2B (Building 1), No. 928, Zhangheng Road, China (Shanghai) Pilot Free Trade Zone
201204 Pudong New Area, Shanghai, P.R.China

China

Phone: +86 (21) 2891 8000
Fax-no.: +86 (21) 2891 5137
E-mail: ap-ua-psra.china@henkel.com

Revision date: 12.05.2025
Emergency Telephone for Chemical Accidents: +86 21 2891 8311 (24h).

2. Hazards identification

EMERGENCY OVERVIEW:

Black, Characteristic, liquid, May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Classification of the substance or mixture according to GB 30000.1 (Specification for classification and labelling of chemicals—Part 1 : General rules):

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Skin sensitizer	Category 1	
Specific target organ toxicity - repeated exposure	Category 2	Liver
Acute hazards to the aquatic environment	Category 2	
Chronic hazards to the aquatic environment	Category 2	

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

Hazard pictogram:



Signal word: Warning

Hazard statement:	H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Prevention:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves.
Response:	P302+P352 IF ON SKIN: Wash with plenty of water. P314 Get medical advice/attention if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage.
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.

Physical and chemical hazards:

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

Health hazards:

May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

Environmental hazards:

Toxic to aquatic life. Toxic 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
4,4'-Methylenebis[N-sec-butaniline] 5285-60-9	10- < 20 %	Acute toxicity 4; Oral H302 Skin sensitizer 1B H317 Specific target organ toxicity - repeated exposure 2 H373 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Silane derivative Proprietary	0.25- < 1 %	Acute toxicity 5; Oral H303 Acute toxicity 4; Inhalation H332 Skin corrosion/irritation 3 H316 Serious eye damage/eye irritation 1 H318 Skin sensitizer 1A H317 Specific target organ toxicity - repeated exposure 2; Inhalation H373 Acute hazards to the aquatic environment 2 H401

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:

Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Most important symptoms/effects, acute and delayed:	The most important known symptoms and effects are described in chapters 2 and/or 11.
Indication of any immediate medical attention and special treatment needed, if necessary:	Post-exposure treatment should focus on controlling the patient's clinical symptoms and signs.

5. Fire fighting measures

Suitable extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Fire-fighting method:	Do not store or use near heat, spark, open flame or other sources of ignition.
Special hazards arising from the substance or mixture:	Oxides of carbon, oxides of nitrogen, irritating organic vapors.
Special protective actions for fire-fighters:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.

6. Accidental release measures

Environmental precautions:	Do not allow product to enter sewer or waterways.
Methods and materials for containment and cleaning up:	Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. Handling and storage

Precautions for safe handling:	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to 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:	Store in sealed original container.

8. Exposure controls / personal protection

Controls parameters:

Occupational Exposure Limits:

Hazardous components CAS-No.	GBZ 2.1-2019	ACGIH	NIOSH	OSHA
Sodium-Aluminum silicate Zeolite A 68989-22-0	5 mg/m ³ PC-TWA Total dust.	10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction. 1 mg/m ³ TWA Respirable fraction.	none	none

Biological Exposure Indices:	no data available
Engineering controls:	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Respiratory protection:	Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area
Eye protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.
Body protection:	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.
Hand protection:	Suitable protective gloves.

9. Physical and chemical properties

Physical state:	liquid	Appearance:	Black
Evaporation rate:	Not available.	Odor:	Characteristic
pH:	Not applicable, Product is non-soluble (in water).	Melting point:	Not applicable, Product is a liquid
Boiling point:	Not available.	Density:	9.50 lb/gal

Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	212.00 °C (413.6 °F), calculated	Ignition temperature:	Not available.
Lower explosive limit:	Not available.	Upper explosive limit:	Not available.
Solubility in water	Not miscible	Viscosity:	Not available.
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not applicable, Mixture	Decomposition temperature:	Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use
VOC:	Bulk adhesive Polyurethane Assembly Industry < 50 g/kg, GB 33372-2020 Limit of volatile organic compounds content in adhesive		

10. Stability and reactivity

Reactivity:	Strong oxidizing agents. Strong acids and strong bases. Alcohols. Amines. Isocyanates. Water
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None if used properly.
Conditions to avoid:	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. Avoid moisture.
Incompatible materials:	None if used properly.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Irritating vapors.

11. Toxicological information

General toxicological information:

No laboratory animal data available.

Acute oral toxicity:

4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	Value type	LD50
	Value	1,400 mg/kg
	Species	rat
	Method	not specified
Silane derivative Proprietary	Value type	LD50
	Value	2,295 mg/kg
	Species	rat
	Method	EPA OPPTS 870.1100 (Acute Oral Toxicity)

Acute dermal toxicity:

4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Silane derivative Proprietary	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	EPA OPPTS 870.1200 (Acute Dermal Toxicity)

Acute inhalative toxicity:

Silane derivative Proprietary	Value type	LC 50
	Value	> 1.49 - < 2.44 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
Silane derivative Proprietary	Value type	LC50
	Value	1.49 - 2.44 mg/l
	Exposure time	4 h
	Species	rat
	Method	EPA OPPTS 870.1300 (Acute inhalation toxicity)
Silane derivative Proprietary	Value type	Acute toxicity estimate (ATE)
	Value	1.49 mg/l
	Exposure time	
	Species	
	Method	Expert judgement

Skin corrosion/irritation:

Silane derivative Proprietary	Result	mildly irritating
	Exposure time	4 h
	Species	rabbit
	Method	EPA OPPTS 870.2500 (Acute Dermal Irritation)

Serious eye damage/irritation:

Silane derivative Proprietary	Result	Category 1 (irreversible effects on the eye)
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	Result	sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Silane derivative Proprietary	Result	Sub-Category 1A (sensitising)
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

No data available.

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	NOAEL 15 mg/kg	oral: gavage	M: 28 d; F: 40+ d Once daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard:

No data available.

12. Ecological information

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
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	LC50	> 0.61 mg/l	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Silane derivative Proprietary	LC50	168 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)

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
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	EC50	0.21 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Silane derivative Proprietary	EC50	87.4 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
Silane derivative Proprietary	NOEC	> 1 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
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9		0.187 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9		0.081 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Silane derivative Proprietary	EC50	8.8 mg/l	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Silane derivative Proprietary	NOEC	3.1 mg/l	96 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
Silane derivative Proprietary	EC50	435 mg/l	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	not readily biodegradable.	aerobic	2 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Silane derivative Proprietary	not readily biodegradable.	aerobic	39 %	28 day	EU Method C.4-A (Determination of the "Ready" Biodegradability Dissolved Organic Carbon (DOC) Die-Away Test)

Bioaccumulative potential

Mobility in soil:

Hazardous components CAS-No.	LogPow	Temperature	Method
4,4'-Methylenebis[N-sec-butylaniline] 5285-60-9	5.4	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Silane derivative Proprietary	-1.67		not specified

Endocrine disrupting properties

No data available.

Other adverse effects

No data 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:	9
Packing group:	III
Classification code:	
Hazard ident. number:	
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-Methylenebis[N-sec-butylaniline])

Marine transport IMDG:

Class:	9
Packing group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	Marine pollutant
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-Methylenebis[N-sec-butylaniline])

Air transport IATA:

Class:	9
Packing group:	III
Packaging instructions (passenger):	964
Packaging instructions (cargo):	964
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (4,4'- Methylenebis[N-sec-butylaniline])

Further information for transport:

The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), A197 (IATA), 2.10.2.7 (IMDG), NZ 4.3(10) may be applied, which can result in a deviation from the transport classification for packed goods.

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:

24.06.2025

Issue department:

Product Safety & Regulatory Affairs for China

RSN No.:

000000535490

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.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.