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

Pattex Super 710 12*1KG

Material No.: 3014174
V001.7
Revision: 29.05.2025
printing date: 13.09.2026

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

Product name: **Pattex Super 710 12*1KG**

Intended use: Wood adhesives

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: 29.05.2025
Emergency Telephone for Chemical Accidents: +86 21 2891 8311 (24h).

2. Hazards identification

EMERGENCY OVERVIEW:
White, mild, liquid, Toxic to aquatic life.

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

Hazard Class	Hazard Category
Acute hazards to the aquatic environment	Category 2

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

Hazard statement: H401 Toxic to aquatic life.
Prevention: P273 Avoid release to the environment.
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:

Based on current information, there are no health hazards.

Environmental hazards:

Toxic to aquatic life.

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
tributyl O-acetylcitrate 77-90-7	2.5- < 10 %	Acute hazards to the aquatic environment 3 H402 Chronic hazards to the aquatic environment 3 H412
bronopol 52-51-7	0.25- < 1 %	Acute toxicity 3; Oral H301 Acute toxicity 3; Inhalation H331 Acute toxicity 4; Dermal H312 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 1 H318 Specific target organ toxicity - single exposure 3 H335 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 2 H411
diammonium peroxodisulphate 7727-54-0	0.1- < 0.25 %	Oxidizing solids 3 H272 Acute toxicity 4; Oral H302 Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319 Respiratory sensitizer 1 H334 Skin sensitizer 1 H317 Specific target organ toxicity - single exposure 3 H335 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:

Skin contact: Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Inhalation: Fresh air, oxygen supply, warmth; seek specialist medical attention.

Ingestion:	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.
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:	All common extinguishing agents are suitable.
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:	carbon oxides.
Special protective actions for fire-fighters:	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) are released. Wear self-contained breathing apparatus. Wear protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Wear protective equipment. Danger of slipping on spilled product. Avoid skin and eye contact. Keep unprotected persons away.
Methods and materials for containment and cleaning up:	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. Use explosion-proof equipment. Wear suitable protective clothing, safety glasses and gloves. Avoid skin and eye contact. When using do not eat, drink or smoke. Keep out of the reach of children. 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:	Avoid strictly temperatures below + 5 °C and above + 50 °C.

8. Exposure controls / personal protection

Controls parameters:

Occupational Exposure Limits: no data available

Biological Exposure Indices: no data available

Engineering controls: Ensure good ventilation/extraction.

Respiratory protection: Suitable breathing mask when there is inadequate ventilation.

Eye protection: Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Body protection: Wear suitable protective clothing.
Protective clothing that covers arms and legs.

Hand protection: Suitable protective gloves.

9. Physical and chemical properties

Physical state:	liquid	Appearance:	White
Evaporation rate:	Not available.	Odor:	mild
pH:(Concentration: 100 % product)	3 - 7	Melting point:	Not available.
Boiling point:	Not available.	Density:	1.0 - 1.1 g/ml
Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	Not available.	Ignition temperature:	Not available.
Lower explosive limit:	Not available.	Upper explosive limit:	Not available.
Solubility in water	Not available.	Viscosity:	10,000 - 20,000 mPa.s
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not available.	Decomposition temperature:	Not available.

VOC: Water-based adhesive
Polyvinyl Acetate
Interior Decoration
<= 40 g/l, GB 33372-2020 Limit of volatile organic compounds content in adhesive

10. Stability and reactivity

Reactivity: None if used for intended purpose.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None if used properly.

Conditions to avoid:	No decomposition if used according to specifications. Stable under normal conditions of storage and use.
Incompatible materials:	None if used properly.
Hazardous decomposition products:	Not determined No decomposition if used according to specifications.

11. Toxicological information

General toxicological information:
No laboratory animal data available.

Acute oral toxicity:

tributyl O-acetylcitrate 77-90-7	Value type	LD 50
	Value	31.4 g/kg
	Species	Rat
	Method	
tributyl O-acetylcitrate 77-90-7	Value type	LD50
	Value	> 31,500 mg/kg
	Species	rat
	Method	not specified
bronopol 52-51-7	Value type	LD 50
	Value	350 mg/kg
	Species	Mouse
	Method	
bronopol 52-51-7	Value type	LD 50
	Value	342 mg/kg
	Species	Rat
	Method	
bronopol 52-51-7	Value type	LD 50
	Value	307 mg/kg
	Species	Rat
	Method	
bronopol 52-51-7	Value type	LD 50
	Value	250 mg/kg
	Species	Dog
	Method	
bronopol 52-51-7	Value type	LD50
	Value	193 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
diammonium peroxodisulphate 7727-54-0	Value type	LD50
	Value	700 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

bronopol 52-51-7	Value type	LD 50
	Value	64 mg/kg
	Species	Rat
	Method	
bronopol 52-51-7	Value type	LD50
	Value	1,600 mg/kg
	Species	rat
	Method	not specified
diammonium peroxodisulphate 7727-54-0	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	EPA OPP 81-2 (Acute Dermal Toxicity)

Acute inhalative toxicity:

bronopol 52-51-7	Value type	LC 50
	Value	>= 0.588 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
bronopol 52-51-7	Value type	LC50
	Value	> 0.588 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified

bronopol 52-51-7	Value type	LC100
	Value	1.14 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
bronopol 52-51-7	Value type	Acute toxicity estimate (ATE)
	Value	0.5881 mg/l
	Exposure time	4 h
	Species	
	Method	Expert judgement
diammonium peroxodisulphate 7727-54-0	Value type	LC 0
	Value	42.9 mg/l
	Exposure time	1 h
	Species	Rat
	Method	
diammonium peroxodisulphate 7727-54-0	Value type	LC0
	Value	2.95 mg/l
	Exposure time	4 h
	Species	rat
	Method	EPA OPP 81-3 (Acute inhalation toxicity)
diammonium peroxodisulphate 7727-54-0	Value type	Acute toxicity estimate (ATE)
	Value	5.1 mg/l
	Exposure time	
	Species	
	Method	Expert judgement
diammonium peroxodisulphate 7727-54-0	Value type	LC 0
	Value	5.1 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
diammonium peroxodisulphate 7727-54-0	Value type	LC 0
	Value	2.95 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
diammonium peroxodisulphate 7727-54-0	Value type	LC 50
	Value	> 42.9 mg/l
	Exposure time	1 h
	Species	Rat
	Method	
diammonium peroxodisulphate 7727-54-0	Value type	LC 50
	Value	> 5.1 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
diammonium peroxodisulphate 7727-54-0	Value type	LC 50
	Value	>= 2.95 mg/l
	Exposure time	4 h
	Species	Rat
	Method	

Skin corrosion/irritation:

bronopol 52-51-7	Result	irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
diammonium peroxodisulphate 7727-54-0	Result	Category 2 (irritant)
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

bronopol 52-51-7	Result	Category 1 (irreversible effects on the eye)
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
diammonium peroxodisulphate 7727-54-0	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

bronopol 52-51-7	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
bronopol 52-51-7	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
diammonium peroxodisulphate 7727-54-0	Result	sensitising
	Test type	Freund's complete adjuvant test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

bronopol 52-51-7	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	not specified
bronopol 52-51-7	Result	positive
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	not specified
bronopol 52-51-7	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	not specified
bronopol 52-51-7	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
bronopol 52-51-7	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	rat
	Method	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
diammonium peroxodisulphate 7727-54-0	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)
diammonium peroxodisulphate 7727-54-0	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity

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

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
diammonium peroxodisulphate 7727-54-0	not carcinogenic	dermal	52 w twice weekly	mouse	female	equivalent or similar OECD Guideline 451 (Carcinogenicity Studies)

Reproductive toxicity:
No data available.

STOT-single exposure:
The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Assessment	Route of exposure	Target Organs	Remarks
bronopol 52-51-7	May cause respiratory irritation.			

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
bronopol 52-51-7	NOAEL 7 mg/kg	oral: drinking water	104 w daily	rat	not specified
diammonium peroxodisulphate 7727-54-0	NOAEL 91 mg/kg	oral: feed	90 d	rat	equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
diammonium peroxodisulphate 7727-54-0	NOAEL 5 mg/m3	inhalation: dust	13 w 6 h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

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
tributyl O-acetylcitrate 77-90-7	LC50	> 38 - 60 mg/l	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
bronopol 52-51-7	LC50	41 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
bronopol 52-51-7	NOEC	21.5 mg/l	49 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
diammonium peroxodisulphate 7727-54-0	LC50	76.3 mg/l	96 h	Oncorhynchus mykiss	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
bronopol 52-51-7	EC50	1.4 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
diammonium peroxodisulphate 7727-54-0	EC50	120 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
bronopol 52-51-7	NOEC	0.27 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
diammonium peroxodisulphate 7727-54-0	EC10	25.9 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
tributyl O-acetylcitrate 77-90-7	NOEC	4.65 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
tributyl O-acetylcitrate 77-90-7	EC50	74.4 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
bronopol 52-51-7	EC50	0.026 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
bronopol 52-51-7	EC10	0.013 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
diammonium peroxodisulphate 7727-54-0	EC50	> 33 mg/l	96 h	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
diammonium peroxodisulphate 7727-54-0	EC10	33 mg/l	96 h	Scenedesmus quadricauda	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
bronopol 52-51-7	EC50	43 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
diammonium peroxodisulphate 7727-54-0	EC10	36 mg/l	18 h	Pseudomonas putida	other guideline:

Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
tributyl O-acetylcitrate 77-90-7	not readily biodegradable.	aerobic	16 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
tributyl O-acetylcitrate 77-90-7	inherently biodegradable	aerobic	82 %	28 day	OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II))
bronopol 52-51-7	readily biodegradable	aerobic	> 70 - 80 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
bronopol 52-51-7	not inherently biodegradable	aerobic	50 %	45 d	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)

Bioaccumulative potential

Hazardous components CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
bronopol 52-51-7				calculated	

Mobility in soil:

Hazardous components CAS-No.	LogPow	Temperature	Method
tributyl O-acetylcitrate 77-90-7	4.86	40 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
bronopol 52-51-7	0.15	23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

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:
Not dangerous goods

Marine transport IMDG:
Not dangerous goods

Air transport IATA:
Not dangerous 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:	13.09.2026
Issue department:	Product Safety & Regulatory Affairs for China
RSN No.:	000000719956
Disclaimer:	This Safety Data Sheet has been generated in accordance with Chinese law only. It provides information on the chemical product in the aspects of safety, health, environment, etc, recommending preventive and protective measures and countermeasures in case of emergency. The information contained herein does not constitute a guarantee concerning the properties of the material. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. 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.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.The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates (“Henkel”) does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user’s responsibility to determine the suitability of Henkel’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel’s products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel’s products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.
Others:	**The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:** H272 May intensify fire; oxidizer. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H402 Harmful to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.