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

Pattex GapFiller PGF-I 12*300ml white

Material No.: 2791602
V001.6
Revision: 03.03.2025
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1. Identification of the substance/preparation and of the company/undertaking

Product name: **Pattex GapFiller PGF-I 12*300ml white**

Intended use: Sealant

Manufacturer/Importer/Distributor Representative Company

Henkel Adhesive Technology (Shanghai) Co., Ltd.
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2. Hazards identification

EMERGENCY OVERVIEW:
white, mild, solid, Harmful 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 3

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

Hazard statement: H402 Harmful 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:

Harmful 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
Oxydiethylene dibenzoate 120-55-8	1- < 2.5 %	Acute toxicity 5; Oral H303 Acute hazards to the aquatic environment 2 H401
Oxydipropyl dibenzoate 27138-31-4	1- < 2.5 %	Acute toxicity 5; Oral H303 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 3 H412
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	0.0025- < 0.025 %	Skin sensitizer 1 H317 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

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 remove soiled or soaked clothing.
Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Inhalation: Move to fresh air.
Keep warm and in a quiet place.
Administer oxygen or artificial respiration as needed.
Seek medical attention from a specialist.

Ingestion:	Drink plenty of water, induce vomiting, seek medical advice.
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

Hazardous characteristics:	Non-combustible.
Suitable extinguishing media:	Foam, extinguishing powder, carbon dioxide. Fine water spray
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 monoxide Carbon dioxide Irritating vapors.
Special protective actions for fire-fighters:	Keep unnecessary personnel away. Wear full protective clothing. Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Keep unprotected persons away. Avoid skin and eye contact. Wear protective equipment. If vapors are generated, wear suitable respiratory equipment.
Methods and materials for containment and cleaning up:	Do not empty into drains / surface water / ground water. Remove with liquid-absorbing material (sand, peat, sawdust).

7. Handling and storage

Precautions for safe handling:	Ensure good ventilation/suction at the workplace. 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:	Storage temperature between 5 and 35ºC.

8. Exposure controls / personal protection

Controls parameters:

Occupational Exposure Limits:

Hazardous components CAS-No.	GBZ 2.1-2019	ACGIH	NIOSH	OSHA
Calcium carbonate 471-34-1	4 mg/m3PC-TWA Respirable dust. 8 mg/m3PC-TWA Total dust. 8 mg/m3PC-TWA Total dust.	10 mg/m3 TWA Total dust. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	none	none

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: 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: 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:	solid	Appearance:	white
Evaporation rate:	Not available.	Odor:	mild
pH:(Concentration: 100 %)	7 - 9	Melting point:	Not available.
Boiling point:	Not available.	Density:	1.5 - 1.7 g/ml
Vapor density:	Not available.	Vapor pressure:	Not available.
Flash point:	> 93 °C (> 199.4 °F)	Ignition temperature:	Not available.
Lower explosive limit:	Not available.	Upper explosive limit:	Not available.
Solubility in water	Not available.	Viscosity:	Not available.
Auto-ignition temperature:	Not available.	Flammability:	Not available.
Octanol / water distribution coefficient:	Not available.	Decomposition temperature:	Not available.

VOC: Water-based adhesive
Acrylate
Interior Decoration
<= 50 g/l, GB 33372-2020 Limit of volatile organic compounds content in adhesive

10. Stability and reactivity

Reactivity: Reaction with strong oxidants.
Reacts with alkalis.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None if used properly.

Conditions to avoid: Excessive heat.
Store away from incompatible materials.

Incompatible materials: None if used properly.

Hazardous decomposition products: No decomposition if used according to specifications.

11. Toxicological information

General toxicological information:
No laboratory animal data available.

Acute oral toxicity:

Oxydiethylene dibenzoate 120-55-8	Value type	LD50
	Value	4,190 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Oxydipropyl dibenzoate 27138-31-4	Value type	LD50
	Value	3,914 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	not specified

Acute dermal toxicity:

Oxydiethylene dibenzoate 120-55-8	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Oxydipropyl dibenzoate 27138-31-4	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	not specified

Acute inhalative toxicity:

Oxydiethylene dibenzoate 120-55-8	Value type	LC 50
	Value	> 200 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
Oxydiethylene dibenzoate 120-55-8	Value type	LC50
	Value	> 200 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
Oxydipropyl dibenzoate 27138-31-4	Value type	LC 50
	Value	> 200 mg/l
	Exposure time	4 h
	Species	Rat
	Method	
Oxydipropyl dibenzoate 27138-31-4	Value type	LC50
	Value	> 200 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified

Skin corrosion/irritation:

Oxydiethylene dibenzoate 120-55-8	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Oxydipropyl dibenzoate 27138-31-4	Result	not irritating
	Exposure time	4 h

	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	not specified

Serious eye damage/irritation:

Oxydiethylene dibenzoate 120-55-8	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Oxydipropyl dibenzoate 27138-31-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	not specified

Respiratory or skin sensitization:

Oxydiethylene dibenzoate 120-55-8	Result	not sensitising
	Test type	
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Oxydipropyl dibenzoate 27138-31-4	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Oxydiethylene dibenzoate 120-55-8	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)
Oxydiethylene dibenzoate 120-55-8	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)
Oxydiethylene dibenzoate 120-55-8	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)
Oxydipropyl dibenzoate 27138-31-4	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)
Oxydipropyl dibenzoate 27138-31-4	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)
Oxydipropyl dibenzoate 27138-31-4	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)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	Result	negative
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Species	mouse
	Method	not specified

Carcinogenicity
No data available.

Reproductive toxicity:
No data available.

STOT-single exposure:
No data available.

STOT-repeated exposure:

Hazardous components CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Oxydiethylene dibenzoate 120-55-8	NOAEL > 1,000 mg/kg	oral: feed	90 days daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Oxydipropyl dibenzoate 27138-31-4	NOAEL 1,000 mg/kg	oral: feed	13 w daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	NOAEL 50 mg/kg	oral: feed	90 d	rat	not specified

Aspiration hazard:
No data available.

Other remarks:
Not available.

12. Ecological information

General ecological information:
Do not empty into drains / surface water / ground water.

Toxicity:

Toxicity (Fish):

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Oxydiethylene dibenzoate 120-55-8	LL50	2.9 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Oxydipropyl dibenzoate 27138-31-4	LC50	3.7 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	LC50	0.8567 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (aquatic invertebrates):

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Oxydiethylene dibenzoate 120-55-8	EC50	6.7 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Oxydipropyl dibenzoate 27138-31-4	EL50	19.3 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	EC50	0.0289 mg/l	48 h	Daphnia	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity (aquatic invertebrates):

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	NOEC	2.2 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Oxydiethylene dibenzoate 120-55-8	NOELR	2.2 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Oxydiethylene dibenzoate 120-55-8	EL50	10.94 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Oxydipropyl dibenzoate 27138-31-4	EL50	4.9 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Oxydipropyl dibenzoate 27138-31-4	EL10	0.89 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	ErC50	0.401 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity (microorganisms):

Hazardous components CAS-No.	Value type	Value	Exposure time	Species	Method
Oxydiethylene dibenzoate 120-55-8	EC50	> 100 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Oxydipropyl dibenzoate 27138-31-4	EC50	> 100 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability

Hazardous components CAS-No.	Result	Test type	Degradability	Exposure time	Method
Oxydiethylene dibenzoate 120-55-8	readily biodegradable	aerobic	93 %	29 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Oxydipropyl dibenzoate 27138-31-4	readily biodegradable	aerobic	85 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	not readily biodegradable.	not specified	< 1 %	28 day	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential

No data available.

Hazardous components CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	32	56 day		Cyprinus carpio	not specified

Mobility in soil:

Hazardous components CAS-No.	LogPow	Temperature	Method
Oxydiethylene dibenzoate 120-55-8	3.2	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Oxydipropyl dibenzoate 27138-31-4	3.9	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
2,2'-Dithiobis[N-methylbenzamide] 2527-58-4	2.73		QSAR (Quantitative Structure Activity Relationship)

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:
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

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

H303 May be harmful if swallowed.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H401 Toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.