



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

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Pattex Repair Express

SDS No. : 604917
V002.0

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

1.1. Product identifier

Pattex Repair Express

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

Intended use:

2-Component epoxy adhesive

1.3. Details of the supplier of the safety data sheet

Henkel Jebal Ali FZCO

PO Box 61341 - Jebel Ali

Dubai

Utd.Arab.Emir.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin sensitizer

Category 1

H317 May cause an allergic skin reaction.

Serious eye irritation

Category 2

H319 Causes serious eye irritation.

Skin irritation

Category 2

H315 Causes skin irritation.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

Pentaerythritol-PO-mercaptoglycerol

Signal word:

Warning

Hazard statement:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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Supplemental information	EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
Precautionary statement:	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand.
Precautionary statement: Prevention	P280 Wear protective gloves.
Precautionary statement: Response	P302+P352 IF ON SKIN: Wash with plenty of soap and water.
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

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

Hazardous components CAS-No.	EC Number	content	Classification
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	701-196-7	5- 10 %	Skin Sens. 1B H317 Aquatic Chronic 3 H412
Titanium dioxide 13463-67-7	236-675-5	1- < 5 %	Carc. 2; Inhalation 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. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

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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

May cause an allergic skin reaction.

SKIN: Redness, inflammation.

Causes serious eye irritation.

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 (CO₂) 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.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.

Remove mechanically.

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.

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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 only in original container.
- Keep container tightly sealed.
- Store in a cool, dry place.
- Temperatures between + 5 °C and + 25 °C
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

- 2-Component epoxy adhesive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Utd.Arab.Emir.

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Calcium sulfate 10101-41-4 [CALCIUM SULFATE (GYPSUM), INHALABLE FRACTION OF THE AEROSOL]		10	Time Weighted Average (TWA):		AD TLV
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		GCC TLV
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		UAE OEL
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		DB OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC, CONTAINING NO ASBESTOS FIBERS, RESPIRABLE FRACTION]		2	Time Weighted Average (TWA):		AD TLV
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (CONTAINING NO ASBESTOS FIBERS)]		2	Time Weighted Average (TWA):		GCC TLV
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (CONTAINING NO ASBESTOS FIBERS)]		2	Time Weighted Average (TWA):		UAE OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		AD TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		GCC TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		UAE OEL

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Occupational Exposure Limits

Valid for
Bharain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		BH TLV
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		GCC TLV
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (CONTAINING NO ASBESTORS FIBERS)]		2	Time Weighted Average (TWA):		BH TLV
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (CONTAINING NO ASBESTORS FIBERS)]		2	Time Weighted Average (TWA):		GCC TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		BH TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		GCC TLV

Occupational Exposure Limits

Valid for
Egypt

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Limestone 1317-65-3 [CALCIUM CARBONATE (INCLUDING LIMESTONE AND MARBLE), TOTAL DUST CONTAINING NO MORE THAN 1% CRYSTALLIZED SILICA AND NO ASBESTOS]		10	Time Weighted Average (TWA):		EG OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC, NONFIBROUS]			Time Weighted Average (TWA):		EG OEL
Titanium dioxide 13463-67-7 [Titanium dioxide]		10	Time Weighted Average (TWA):		EG OEL

Occupational Exposure Limits

Valid for
Jordan

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [ASBESTOS: TALC, RESPIRABLE DUST]		2	Time Weighted Average (TWA):		JO TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]	450	560	Short Term Exposure Limit (STEL):		JO TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]	100	375	Time Weighted Average (TWA):		JO TLV

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Occupational Exposure Limits

Valid for
Kuwait

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Calcium sulfate 10101-41-4 [CALCIUM SULFATE]		10	Time Weighted Average (TWA):		GCC TLV
Calcium sulfate 10101-41-4 [PARTICULATES, TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Calcium sulfate 10101-41-4 [PARTICULATES, INHALED]		5	Time Weighted Average (TWA):		KW OEL
Calcium sulfate 10101-41-4 [PARTICULATES, TOTAL]		15	Time Weighted Average (TWA):		KW OEL
Calcium sulfate 10101-41-4 [PARTICULATES, INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), TOTAL]		10	Time Weighted Average (TWA):		KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), INHALED]		5	Time Weighted Average (TWA):		KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (CONTAINING NO ASBESTOS FIBERS)]		2	Time Weighted Average (TWA):		GCC TLV
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (NOT CONTAINING ASBESTOS FIBERS) INHALED]		2	Time Weighted Average (TWA):		KW OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC (NOT CONTAINING ASBESTOS FIBERS) INHALED]		1.000	Harmful Concentration for risk to health and life:		KW OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		GCC TLV
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		5.000	Harmful Concentration for risk to health and life:		KW OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE]		10	Time Weighted Average (TWA):		KW OEL

Occupational Exposure Limits

Valid for
Israel

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Calcium sulfate		10	Time Weighted Average		IL OEL

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10101-41-4 [Calcium sulfate, inhalable fraction]			(TWA):		
Limestone 1317-65-3 [Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles]		10	Time Weighted Average (TWA):		IL OEL
Limestone 1317-65-3 [Particles (insoluble or poorly soluble) not otherwise specified, respirable particles]		3	Time Weighted Average (TWA):		IL OEL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [Talc, containing no asbestos fibers, respirable fraction]		2	Time Weighted Average (TWA):		IL OEL
Titanium dioxide 13463-67-7 [Titanium dioxide, finescale particles, respirable fraction]		2,5	Time Weighted Average (TWA):		IL OEL
Titanium dioxide 13463-67-7 [Titanium dioxide, nanoscale particles, respirable fraction]		0,2	Time Weighted Average (TWA):		IL OEL

Occupational Exposure Limits

Valid for
Kenya

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Calcium sulfate 10101-41-4 [GYPSUM TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Calcium sulfate 10101-41-4 [GYPSUM RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Limestone 1317-65-3 [MARBLE TOTAL INHALABLE DUST LIMESTONE TOTAL INHALABLE DUST CALCIUM CARBONATE TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Limestone 1317-65-3 [MARBLE RESPIRABLE DUST CALCIUM CARBONATE RESPIRABLE DUST LIMESTONE RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Talc (Mg ₃ H ₂ (SiO ₃) ₄) 14807-96-6 [TALC RESPIRABLE DUST]		1	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL

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Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

Ensure adequate ventilation.

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.

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Kneading mass paste white, up to, beige
Odor	specific
Odour threshold	No data available / Not applicable
pH	Not applicable, Product is non-soluble (in water).
pH	Not applicable
Initial boiling point	No data available / Not applicable
Flash point	Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	No data available / Not applicable
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) (23 °C (73.4 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
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	Not applicable, Product is a solid.
Oxidising properties	No data available / Not applicable

9.2. Other information

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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

General toxicological information:

Cross-reactions with other epoxide compounds possible.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Pentaerythritol-PO- mercaptoglycerol 72244-98-5	LD50	2.600 mg/kg	oral		rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Titanium dioxide 13463-67-7	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Titanium dioxide 13463-67-7	LC50	> 6,82 mg/l	dust	4 h	rat	not specified

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Pentaerythritol-PO- mercaptoglycerol 72244-98-5	LD50	> 10.200 mg/kg	dermal		rabbit	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
Titanium dioxide 13463-67-7	LD50	> 10.000 mg/kg	dermal		rabbit	not specified

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Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Pentaerythritol-PO- mercaptoglycerol 72244-98-5	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Titanium dioxide 13463-67-7	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Pentaerythritol-PO- mercaptoglycerol 72244-98-5	not irritating		rabbit	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Titanium dioxide 13463-67-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Pentaerythritol-PO- mercaptoglycerol 72244-98-5	sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Titanium dioxide 13463-67-7	not sensitising	Mouse local lymphnod e assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Titanium dioxide 13463-67-7	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Titanium dioxide 13463-67-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		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)
	negative	in vitro mammalian cell micronucleus test	without		equivalent or similar to OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test)
Titanium dioxide 13463-67-7	negative	oral: gavage		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
Titanium dioxide 13463-67-7	not carcinogenic	rat	male/female	103 w daily	oral: feed	not specified

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Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Titanium dioxide 13463-67-7	NOAEL P = >= 1.000 mg/kg NOAEL F1 = >= 1.000 mg/kg	one- generation study oral: feed		rat	OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Titanium dioxide 13463-67-7	NOAEL=> 1.000 mg/kg	oral: gavage	92 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

SECTION 12: Ecological information

General ecological information:

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

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12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	LC50	87 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	EC50	12 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	EC50	> 733 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	NOEC	338 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	EC50	> 1.000 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	NOEC	3,5 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Titanium dioxide 13463-67-7	LC50	Toxicity > Water solubility	Fish	48 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Titanium dioxide 13463-67-7	EC50	Toxicity > Water solubility	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Titanium dioxide 13463-67-7	EC50	Toxicity > Water solubility	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Titanium dioxide 13463-67-7	NOEC	Toxicity > Water solubility	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Titanium dioxide 13463-67-7	EC0	Toxicity > Water solubility	Bacteria	24 h	Pseudomonas fluorescens	DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
Titanium dioxide 13463-67-7	NOEC	Toxicity > Water solubility	chronic Daphnia	21 d	Daphnia magna	OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	not readily biodegradable.	aerobic	5 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	1,2				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

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Hazardous components CAS-No.	PBT/vPvB
Pentaerythritol-PO-mercaptoglycerol 72244-98-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Titanium dioxide 13463-67-7	According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances.

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

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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	Not dangerous goods

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

14.4. Packing group

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

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 applicable

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

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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:

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H412 Harmful 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.

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.