



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

Page 1 of 19

POLYCRYL FR GREY

SDS No. : 673781
V002.0

Revision: 20.09.2024
printing date: 10.02.2026

Replaces version from: 29.05.2023

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

1.1. Product identifier

POLYCRYL FR GREY

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

Intended use:

Acrylic emulsion

1.3. Details of the supplier of the safety data sheet

Henkel Jebal Ali FZCO
PO Box 61341 - Jebel Ali
Dubai

Utd.Arab.Emir.

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website www.mysds.henkel.com or www.henkel-adhesives.com.

1.4. Emergency telephone number

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

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.

Specific target organ toxicity - repeated exposure Category 2

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

Chronic hazards to the aquatic environment Category 3

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene

1,2-Benzisothiazol-3(2H)-one
Isothiazolinone mixture (C(M)IT/MIT (3:1))

Signal word:	Warning
Hazard statement:	H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.
Precautionary statement:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.
Precautionary statement: Prevention	P260 Do not breathe mist/vapours. P273 Avoid release to the environment. 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
Quartz (SiO ₂), <1% respirable 14808-60-7	238-878-4	20- < 40 %	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	265-185-4	2,5- < 10 %	Aquatic Chronic 2 H411 STOT SE 3 H336 Flam. Liq. 3 H226 STOT RE 1 H372 Asp. Tox. 1 H304
1,2-Benzisothiazol-3(2H)-one 2634-33-5	220-120-9	36- < 360 PPM	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Acute Tox. 4; Oral H302 Skin Irrit. 2 H315 Skin Sens. 1A H317 Eye Dam. 1 H318 Acute Tox. 2; Inhalation H330
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9		15- < 150 PPM	Aquatic Chronic 1 H410 Skin Corr. 1C H314 Acute Tox. 2; Dermal H310 Acute Tox. 3; Oral H301 Eye Dam. 1 H318 Acute Tox. 2; Inhalation H330 Aquatic Acute 1 H400 Skin Sens. 1A H317

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.

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.

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.

Danger of slipping on spilled product.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

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.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Acrylic emulsion

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
Quartz (SiO ₂) 14808-60-7 [QUARTZ SILICA CRYSTALLINE, CRISTOBALITE, RESPIRABLE FRACTION]		0,025	Time Weighted Average (TWA):		AD TLV
Quartz (SiO ₂) 14808-60-7 [CRYSTALLIZE SILICA (QUARTZ) (RESPIRABLE DUST)]		0,1	Time Weighted Average (TWA):		DB OEL
Quartz (SiO ₂) 14808-60-7 [QUARTZ]		0,1	Time Weighted Average (TWA):		GCC TLV
Quartz (SiO ₂) 14808-60-7 [QUARTZ]		0,1	Time Weighted Average (TWA):		UAE OEL
Quartz (SiO ₂) 14808-60-7 [CRYSTALLINE SILICA (QUARTZ) (RESPIRABLE DUST)]		0,05	Time Weighted Average (TWA):		UAE OEL
Aluminium hydroxide 21645-51-2 [ALUMINUM METAL AND INSOLUBLE COMPOUNDS, RESPIRABLE FRACTION]		1	Time Weighted Average (TWA):		AD TLV
Mica 12001-26-2 [MICA, RESPIRABLE FRACTION]		3	Time Weighted Average (TWA):		AD TLV
Mica 12001-26-2 [MICA]		3	Time Weighted Average (TWA):		GCC TLV
Mica 12001-26-2 [MICA]		3	Time Weighted Average (TWA):		UAE OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	Time Weighted Average (TWA):		AD TLV
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	Time Weighted Average (TWA):		GCC TLV
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	Time Weighted Average (TWA):		UAE OEL

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

SDS No.: 673781 V002.0

Page 6 of 19

Occupational Exposure Limits

Valid for
Bahrain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Quartz (SiO ₂) 14808-60-7 [QUARTZ]		0,1	Time Weighted Average (TWA):		BH TLV
Quartz (SiO ₂) 14808-60-7 [QUARTZ]		0,1	Time Weighted Average (TWA):		GCC TLV
Mica 12001-26-2 [MICA]		3	Time Weighted Average (TWA):		BH TLV
Mica 12001-26-2 [MICA]		3	Time Weighted Average (TWA):		GCC TLV
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	Time Weighted Average (TWA):		BH TLV
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	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
Quartz (SiO ₂) 14808-60-7 [SILICA, CRYSTALLINE - QUARTZ, TOTAL DUST]		0,29	Time Weighted Average (TWA):	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	EG OEL
Quartz (SiO ₂) 14808-60-7 [SILICA, CRYSTALLINE - QUARTZ, INHALABLE DUST]		0,098	Time Weighted Average (TWA):	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	EG OEL
Quartz (SiO ₂) 14808-60-7 [SILICA, CRYSTALLINE - QUARTZ]			Time Weighted Average (TWA):	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.	EG OEL
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
Mica 12001-26-2 [MICA]			Time Weighted Average (TWA):		EG OEL

Occupational Exposure Limits

Valid for
Jordan

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

SDS No.: 673781 V002.0

Page 7 of 19

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Quartz (SiO ₂) 14808-60-7 [SILICA, CRYSTALLINE TYPE: QUARTZ, RESPIRABLE DUST]		0,1	Time Weighted Average (TWA):		JO TLV

Occupational Exposure Limits

Valid for
Kuwait

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Quartz (SiO ₂) 14808-60-7 [QUARTZ]		0,1	Time Weighted Average (TWA):		GCC TLV
Quartz (SiO ₂) 14808-60-7 [SILICA CRYSTALLINE, QUARTZ]		0,1	Time Weighted Average (TWA):		KW OEL
Quartz (SiO ₂) 14808-60-7 [SILICA CRYSTALLINE, QUARTZ]		25	Harmful Concentration for risk to health and life:		KW OEL
Aluminium hydroxide 21645-51-2 [PARTICULATES, INHALED]		5	Time Weighted Average (TWA):		KW OEL
Aluminium hydroxide 21645-51-2 [PARTICULATES, TOTAL]		15	Time Weighted Average (TWA):		KW OEL
Aluminium hydroxide 21645-51-2 [PARTICULATES, INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Aluminium hydroxide 21645-51-2 [PARTICULATES, TOTAL]			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
Mica 12001-26-2 [MICA]		3	Time Weighted Average (TWA):		GCC TLV
Mica 12001-26-2 [PARTICULATES, INHALED]		5	Time Weighted Average (TWA):		KW OEL
Mica 12001-26-2 [PARTICULATES, INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Mica 12001-26-2 [PARTICULATES, TOTAL]		15	Time Weighted Average (TWA):		KW OEL
Mica 12001-26-2 [PARTICULATES, TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	525	Time Weighted Average (TWA):		GCC TLV

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

SDS No.: 673781 V002.0

Page 8 of 19

Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]		20.000	Harmful Concentration for risk to health and life:		KW OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]		1.800	Short-term Exposure Limit (STEL):		KW OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	350	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
Quartz (SiO ₂) 14808-60-7 [Silica, crystalline- α -Quartz, respirable fraction]		0,025	Time Weighted Average (TWA):		IL OEL
Aluminium hydroxide 21645-51-2 [Particles (insoluble or poorly soluble) not otherwise specified, respirable particles]		3	Time Weighted Average (TWA):		IL OEL
Aluminium hydroxide 21645-51-2 [Aluminum metal and insoluble compounds, respirable fraction]		1	Time Weighted Average (TWA):		IL OEL
Aluminium hydroxide 21645-51-2 [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, 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
Mica 12001-26-2 [Mica, respirable fraction]		0,1	Time Weighted Average (TWA):		IL OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [Stoddard solvent]	100		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
Quartz (SiO ₂) 14808-60-7 [SILICA, CRYSTALLINE, RESPIRABLE DUST]		0,4	Time-weighted average (TWA) OEL-CL:		KE OEL-CL
Quartz (SiO ₂) 14808-60-7 [QUARTZ, CRYSTALLINE RESPIRABLE DUST]		0,4	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Limestone 1317-65-3		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL

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

SDS No.: 673781 V002.0

Page 9 of 19

[MARBLE TOTAL INHALABLE DUST LIMESTONE TOTAL INHALABLE DUST CALCIUM CARBONATE TOTAL INHALABLE DUST]					
Limestone 1317-65-3 [MARBLE RESPIRABLE DUST CALCIUM CARBONATE RESPIRABLE DUST LIMESTONE RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Mica 12001-26-2 [MICA RESPIRABLE DUST]		1	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Mica 12001-26-2 [MICA TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [WHITE SPIRIT]	125	720	Short-term OEL-RL:		KE OEL-RL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [WHITE SPIRIT]	100	575	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Propane-1,2-diol 57-55-6 [PROPYLENE GLYCOL TOTAL (VAPOUR AND PARTICULATES) PROPANE-1,2-DIOL TOTAL (VAPOUR AND PARTICULATES)]	150	470	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Propane-1,2-diol 57-55-6 [PROPYLENE GLYCOL PARTICULATES PROPANE-1,2-DIOL PARTICULATES]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL

Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.
Combination filter: ABEKP (EN 14387)
This recommendation should be matched to local conditions.

Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.
material thickness > 0.1 mm
Perforation time > 10 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

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	liquid liquid Gray / Grey
Odor	Acrylic
Odour threshold	No data available / Not applicable
pH (20 °C (68 °F))	9 - 11
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	1,55 - 1,65 g/cm ³
Bulk density	No data available / Not applicable
Viscosity (; 40 °C (104 °F))	12.000 - 18.000 cp
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	No data available / Not applicable
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	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with acids: production of heat and carbon dioxide.

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

See section reactivity.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Quartz (SiO ₂), <1% respirable 14808-60-7	LD50	> 5.050 mg/kg	oral		rat	not specified
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
1,2-Benzisothiazol-3(2H)- one 2634-33-5	Acute toxicity estimate (ATE)	450 mg/kg	oral			Expert judgement
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	LD50	66 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)- one 2634-33-5	Acute toxicity estimate (ATE)	0,21 mg/l	dust/mist			Expert judgement
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	LC50	0,171 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Quartz (SiO ₂), <1% respirable 14808-60-7	LD50	> 2.000 mg/kg	dermal		not specified	not specified
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
1,2-Benzisothiazol-3(2H)- one 2634-33-5	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	LD50	87,12 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)- one 2634-33-5	moderately irritating	4 h	rabbit	EPA OPP 81-5 (Acute Dermal Irritation)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	corrosive	3 h	rabbit	EPA OPP 81-4 (Acute Eye Irritation)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	Category 1 (irreversible effects on the eye)		rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	sensitising	Mouse local lymphnode assay (LLNA)	mouse	not specified

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	positive without metabolic activation	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: unspecified		rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	ambiguous	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	positive	in vitro mammalian chromosome aberration test	with and without		EPA OPP 84-2 (Mutagenicity Testing)
	positive	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	not applicable		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: gavage		mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
	negative	oral: feed		Drosophila melanogaster	OECD Guideline 477 (Genetic Toxicology: Sex-linked Recessive Lethal Test in Drosophila melanogaster)
	negative	oral: gavage		rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
	negative	oral: gavage		rat	EPA OPP 84-2 (Mutagenicity Testing)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure time Frequency of treatment	Route of application	Method
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	not carcinogenic	rat	male/female	2 y daily	oral: drinking water	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOAEL P = 112 mg/kg NOAEL F1 = 56,6 mg/kg NOAEL F2 = 56,6 mg/kg	Two generation study oral: feed		rat	EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	NOAEL P = 30 ppm NOAEL F1 = 300 ppm NOAEL F2 = 300 ppm	Two generation study oral: drinking water	10 w	rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOAEL=150 mg/kg	oral: gavage	28 daysdaily	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOAEL=69 mg/kg	oral: feed	90 daysdaily	rat	EPA OPP 82-1 (90-Day Oral Toxicity)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	NOAEL=16,3 mg/kg	oral: drinking water	90 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	NOAEL=0.34 mg/m3	inhalation: aerosol	90 d6 h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	NOAEL=2,625 mg/kg	dermal	90 d6 h/d	rat	EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

SECTION 12: Ecological information**General ecological information:**

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

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Quartz (SiO ₂), <1% respirable 14808-60-7	LC50	> 1.000 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
Quartz (SiO ₂), <1% respirable 14808-60-7	EC50	> 1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Quartz (SiO ₂), <1% respirable 14808-60-7	EC50	> 1.000 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Quartz (SiO ₂), <1% respirable 14808-60-7	EC0	> 1.000 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	NOEC	> 0,1 - 1 mg/l	Fish		not specified	OECD Guideline 210 (fish early lite stage toxicity test)
	LC50	> 10 - 30 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	EC50	> 10 - 22 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	4,1 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	NOEC	> 0,1 - 1 mg/l	chronic Daphnia		Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
	LC50	2,15 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOEC	0,21 mg/l	Fish	30 d	Oncorhynchus mykiss	OECD Guideline 215 (Fish, Juvenile Growth Test)
	EC50	2,9 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50	0,1087 mg/l	Algae	24 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC10	0,0264 mg/l	Algae	24 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50	23 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOEC	1,2 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	LC50	0,22 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	0,098 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	EC50	0,12 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	EC50	0,0052 mg/l	Algae	72 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,00064 mg/l	Algae	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	EC20	0,97 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	NOEC	0,0036 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	readily biodegradable	aerobic	> 60 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	not readily biodegradable.	aerobic	42,1 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	4,76					QSAR (Quantitative Structure Activity Relationship)
1,2-Benzisothiazol-3(2H)-one 2634-33-5		6,62	56 d	not specified		other guideline:
1,2-Benzisothiazol-3(2H)-one 2634-33-5	0,7				20 °C	EU Method A.8 (Partition Coefficient)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9		3,6		calculation		QSAR (Quantitative Structure Activity Relationship)
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	> -0,71 - 0,75				20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB

Quartz (SiO ₂), <1% respirable 14808-60-7	According to Annex XIII to Regulation (EC) No 1907/2006, a PBT and vPvB assessment shall not be conducted for inorganic substances.
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1,2-Benzisothiazol-3(2H)-one 2634-33-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Isothiazolinone mixture (C(M)IT/MIT (3:1)) 55965-84-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

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

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. Maritime transport in bulk according to IMO instruments

not applicable

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 2024/590):	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:

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H310 Fatal in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic 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).

Product is intended for professional use.

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.