

Safety Data Sheet

ELASTOCOLOR WATERPROOF

Safety Data Sheet dated: 04/02/2020 - version 2



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

1.1. Product identifier

Mixture identification:

Trade name: ELASTOCOLOR WATERPROOF

Trade code: 907K0900

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

Recommended use: Water dispersion synthetic resin based paint

Uses advised against: Data not available

1.3. Details of the supplier of the safety data sheet

Company: MAPEI U.K. Ltd - Mapei House Steel Park Road

Halesowen - West Midlands B62 8HD

www.mapei.co.uk (office hour 8:30-17:30)

Responsible: sicurezza@mapei.it

1.4. Emergency telephone number

call NHS 111 or a doctor/OHES Environmental Ltd +44(0)1684 299 886

phone: +44(0)121 508 6970 - fax: +44(0)121 5086 960

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

0 The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH210 Safety data sheet available on request.

Contains:

1,2-benzisothiazol-3(2H)-one

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT/vPvB Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: ELASTOCOLOR WATERPROOF

Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Ident. Numb.	Classification	Registration Number
≥5 - <10 %	free crystalline silica (Ø >10 µ)	CAS:14808-60-7 EC:238-878-4		
≥2.5 - <5 %	2-(2-butoxyethoxy)ethanol	CAS:112-34-5 EC:203-961-6	Eye Irrit. 2, H319	01-2119475104-44-XXXX

≥1 - <2.5 %	1-Phenoxypropan-2-ol	CAS:770-35-4 EC:212-222-7	Eye Irrit. 2, H319	01-2119486566-23-XXXX
≥1 - <2.5 %	free crystalline silica (Ø <10 µ)	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372	
≥0.016 - <0.025 %	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 2, H411	
≥0.0015 - <0.005 %	2-methyl-2H-isothiazol-3-one	CAS:2682-20-4 EC:220-239-6	Acute Tox. 3, H311; Acute Tox. 3, H301; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 2, H330; Skin Corr. 1B, H314; Skin Sens. 1A, H317, M-Acute:10	
<0.0015 %	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS:55965-84-9 EC:611-341-5 Index:613-167-00-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 3, H301; Skin Corr. 1C, H314; Skin Sens. 1A, H317; Acute Tox. 2, H310; Acute Tox. 2, H330; Eye Dam. 1, H318, M-Chronic:100, M-Acute:100	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: N.A.

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****List of components with OEL value**

Component	OEL Type	Country	Ceiling	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Behaviour	Note
free crystalline silica (Ø >10 µ)	NDS	POLAND		0,300					frakcja respirabilna
	National	DENMARK		0,3					DENMARK, inhalable aerosol inhalable aerosol
	National	DENMARK		0,100					DENMARK, respirable aerosol respirable aerosol
	SUVA	GERMANY		0,150					50 µg/m ³ (Partikel Durchmesser < 12 µm) - TRGS 906
	National	SWITZERLAND		0,15					A
	ACGIH	NNN		0,025					(R), A2 - Pulm fibrosis, lung cancer
2-(2-butoxyethoxy)ethanol	National	NORWAY		0,300					K 7
	DFG	GERMANY	C			100,5	15		
	ACGIH				10				hematologic, kidney and liver effects
	National	SWEDEN		68	10				
	EU			67,5	10	101,2	15	Indicative	
	National	FRANCE		68	10	101,2	15		
	National	SPAIN		67,5	10	101,2	15		
	National	GREECE		67,5	10	101,2	15		
	National	DENMARK		68	10				
	National	FINLAND		68	10				
	National	GERMANY		67	10				
	National	PORTUGAL		67,5	10	101,2	15		
	National	NORWAY		68	10	102	15		
	National	BELGIUM		67,5	10	101,2	15		
	NDS	POLAND		67					
	NDSch	POLAND				100			
	CHE	SWITZERLAND				101	15		

free crystalline silica (Ø <10 µ)	NDS	NETHERLANDS	50		100	
	National	CZECH REPUBLIC	100			
	National	HUNGARY	67,5		101,2	
	National	ESTONIA	67,5	10		
	National	LATVIA	67,5	10	101,2	15
	National	CZECH REPUBLIC	C		100	
	National	SLOVAKIA	C		101,2	
	National	SLOVAKIA	67,5	10		
	National	SLOVENIA	67,5	10	101,25	15
	National	UNITED KINGDOM	67,5	10	101,2	15
	National	BULGARIA	67,5	10	101,2	15
	National	ROMANIA	67,5	10	101,2	15
	TUR	TURKEY	67,5	10	101,2	15
	National	LITHUANIA	67,5	10	101,2	15
	National	CROATIA	67,5	10	101,2	15
	ACGIH	NNN	0,025			(R), A2 - Pulm fibrosis, lung cancer
	National	SWEDEN	0,1			SWEDEN, respirable aerosol
	National	NORWAY	0,3			NORWAY, K 7
	National	NORWAY	0,3		0,6	DENMARK, inhalable aerosol inhalable aerosol
	National	NORWAY	0,1		0,2	DENMARK, respirable aerosol respirable aerosol
2-methyl-2H-isothiazol-3-one	DFG	GERMANY	C		0,4	
	CHE	SWITZERLAND			0,4	

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency	Remark
1-Phenoxypropan-2-ol	770-35-4	0,1 mg/l	Fresh Water		
		0,01 mg/l	Marine water		
		0,38 mg/kg	Freshwater sediments		
		0,038 mg/kg	Marine water sediments		

Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
1-Phenoxypropan-2-ol	770-35-4	42 mg/kg		21 mg/kg	Human Dermal	Long Term, systemic effects	
		25,7 mg/m3			Human Inhalation	Long Term, systemic effects	
				3,65 mg/kg	Human Oral	Long Term, systemic effects	

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; EN 374:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.
Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.
Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Hygienic and Technical measures

N.A.

Appropriate engineering controls:

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: Liquid various

Odour: Characteristic

Odour threshold: N.A.

pH: 8.50

Melting point / freezing point: N.A.

Initial boiling point and boiling range: $100\text{ }^{\circ}\text{C}$ ($212\text{ }^{\circ}\text{F}$)

Flash point: N.A.

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 1.25 g/cm^3

Solubility in water: dispersible

Partition coefficient (n-octanol/water): N.A. - This product is a mixture

Auto-ignition temperature: N.A. - No explosive or spontaneous ignition in contact with air at room temperature

Decomposition temperature: N.A.

Viscosity: $3,000.00\text{ cPs}$

Explosive properties: == - No components with explosive properties

Oxidizing properties: N.A. - No component with oxidizing properties

Solid/gas flammability: N.A.

9.2. Other information

No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

free crystalline silica ($\emptyset$ a) acute toxicity $\text{LD}_{50}\text{ Oral} > 2000\text{ mg/kg}$
>10 μ)

		LD50 Skin > 2000 mg/kg
2-(2-butoxyethoxy)ethanol	a) acute toxicity	LD50 Skin Rabbit = 2700 mg/kg
		LD50 Oral Rat = 5660 mg/kg
1-Phenoxypropan-2-ol	a) acute toxicity	LD50 Oral Rat = 2830 mg/kg LD50 Skin Rabbit > 2000 mg/kg LC50 Inhalation Rat > 5400 mg/m ³ 4h
free crystalline silica (Ø <10 µ)	a) acute toxicity	LD50 Oral Rat = 500 mg/kg
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	a) acute toxicity	LD50 Oral Rat = 1020 mg/kg
2-methyl-2H-isothiazol-3-one	a) acute toxicity	LD50 Oral Rat > 183 mg/kg LD50 Skin Rat = 242 mg/kg LD50 Skin Rabbit = 200 mg/kg LD50 Oral Rat 232 mg/kg LD50 Oral Rat = 120 mg/kg LC50 Inhalation Rat = 0,11 mg/l 4h
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	a) acute toxicity	LD50 Oral Rat = 457 mg/kg LC50 Inhalation Rat = 2,36 mg/l 4h LD50 Skin Rabbit = 660 mg/kg LD50 Oral Rat = 53 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- Toxicological kinetics, metabolism and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
2-(2-butoxyethoxy)ethanol	CAS: 112-34-5 - EINECS: 203-961-6	a) Aquatic acute toxicity : LC50 Fish <i>Lepomis macrochirus</i> = 1300 mg/L 96h EPA a) Aquatic acute toxicity : EC50 <i>Daphnia magna</i> > 100 mg/L 48h IUCLID a) Aquatic acute toxicity : EC50 <i>Algae Desmodesmus subspicatus</i> > 100 mg/L 96h IUCLID
1-Phenoxypropan-2-ol	CAS: 770-35-4 - EINECS: 212-222-7	a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96 a) Aquatic acute toxicity : LC50 <i>Daphnia</i> = 370 mg/L 48 a) Aquatic acute toxicity : EC50 <i>Algae</i> > 100 mg/L 72
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Aquatic acute toxicity : LC50 Fish = 2,15000 mg/L b) Aquatic chronic toxicity : NOEC <i>Algae</i> = 0,04030 mg/L 72h b) Aquatic chronic toxicity : EC50 <i>Algae</i> = 0,11000 mg/L 72h
2-methyl-2H-isothiazol-3-one	CAS: 2682-20-4 - EINECS: 220-239-6	a) Aquatic acute toxicity : LC50 Fish = mg/L 96 a) Aquatic acute toxicity : LC50 <i>Daphnia</i> = mg/L 48 a) Aquatic acute toxicity : EC50 <i>Algae</i> = mg/L 72 b) Aquatic chronic toxicity : NOEC <i>Daphnia</i> = mg/L
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 - EINECS: 611-341-5 - INDEX: 613-167-00-5	a) Aquatic acute toxicity : EC50 <i>Daphnia</i> = 0,12 mg/L 48 a) Aquatic acute toxicity : LC50 Fish = 0,22 mg/L 96 a) Aquatic acute toxicity : EC50 <i>Algae</i> = 0,048 mg/L 72 b) Aquatic chronic toxicity : NOEC <i>Algae</i> = 0,0012 mg/L 72 b) Aquatic chronic toxicity : NOEC Fish = 0,098 mg/L - 28 d b) Aquatic chronic toxicity : NOEC <i>Daphnia</i> = 0,004 mg/L - 21 d

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB Ingredients are present

12.6. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Product:

Do not dispose of waste into sewers.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to an authorized waste disposal service.

Contaminated packaging:

Empty remaining content.

Dispose of as unused product.

Do not re-use empty containers.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number

N.A.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID) :

N.A.

ADR-Hazard identification number: NA

Air (IATA) :

N.A.

Sea (IMDG) :

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC (2004/42/EC) : 90 g/l

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) 2015/830

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

German Water Hazard Class.

N.A.

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 28, 55

SVHC Substances:

No data available

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
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H319 Causes serious eye irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

Code	Hazard class and hazard category	Description
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

Kst: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 5. FIRE-FIGHTING MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 13. DISPOSAL CONSIDERATIONS
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION