

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:****antyMRÓZ 1000**

Additive accelerating plaster and paint binding.

Unique Formula Identifier (UFI-Code):

5P8D-D07F-500R-V5HQ

Chemical Identification:

3-Butoxypropan-2-ol

CAS Number:

5131-66-8

EC number:

225-878-4

Index number:

603-052-00-8

REACH Registration number (EC 1907/2006):

01-2119475527-28

1.2 Relevant identified uses of the substance or mixture and uses advised against**Life cycle stages**

PW Widespread use by professional workers

Sector of Use

SU19 Building and construction work

See annex to the Safety Data Sheet.

Product category

PC9a Coatings and paints, thinners, paint removers

Process category

PROC5 Mixing or blending in batch processes

Environmental release category

ERC10b / ERC11b Widespread use of articles with high or intended release

Article category

AC0 Other

Application of the substance / the preparation

Solvents

1.3 Details of the supplier of the safety data sheet

Please comply with the information given under "Other Information" in section 16.

Manufacturer/Supplier:

KREISEL - Technika Budowlana Sp. z o.o.

ul. Szarych Szeregów 23

60-462 Poznań

Poland

Tel. +48 61 846 79 00

Fax +48 61 846 79 09

sekretariat@kreisel.pl

www.kreisel.pl

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Further information obtainable from:

Bartosz Polaczyk - Tel.: +48 510 022 908, +48 61 84 67 966, bartosz.polaczyk@kreisel.pl
On working days 8 a.m. - 4 p.m.

1.4 Emergency telephone number

National poisons information centre: +44/(0)171 - 635 9191
National Health Service: 111
European emergency call: 112

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the GB CLP regulation.

Hazard pictograms

GHS07

Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362 Take off contaminated clothing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

No further relevant information available.

Results of PBT and vPvB assessment**PBT:**

This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

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vPvB:

This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Determination of endocrine-disrupting properties

This substance/mixture does not contain components with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients
3.1 Substances**CAS No. Description**

5131-66-8 3-Butoxypropan-2-ol

Identification number(s):**EC number:** 225-878-4**Index number:**

603-052-00-8

REACH Registration number (EC 1907/2006):

01-2119475527-28

Composition information on ingredients, impurities and stabilising additives:

CAS: 5131-66-8 EINECS: 225-878-4 Index number:... 603-052-00-8 REACH: 01-2119475527-28	3-Butoxypropan-2-ol	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319
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SECTION 4: First aid measures
4.1 Description of first aid measures

First aid

General information:

Seek medical treatment in case of complaints.

After inhalation:

Take affected persons out of danger area and lay down.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately remove all soiled and contaminated clothing.

Wash contaminated clothes before reuse. Clean contaminated shoes before reuse.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

After swallowing:

Rinse out mouth and then drink plenty of water.

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Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are described in section 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

If a physician is to be consulted, as per possibility he should be presented this safety data sheet.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

CO₂, sand, extinguishing powder. Do not use water.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

No special measures required. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Additional information:

Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Not required

6.2 Environmental precautions

Prevent seepage into sewage system, workpits and cellars.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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

Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities / Water for cleaning eyes and skin should be available. Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product. Do not eat, drink, smoke or sniff while working.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools. Wear shoes with conductive soles. Protect against electrostatic charges.

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7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:**

Keep out of reach of children.

Store product in ventilated conditions in well sealed original receptacles.

Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and feed.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Minimum storage life:

Minimum storage life (+5°C up to 25°C): See indication on package.

Storage class: 10**Classification according to the German Industrial Safety and Health Ordinance (BetrSichV): -****7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Not required

DNELs**5131-66-8 3-Butoxypropan-2-ol**

Oral	Long term exposure	350 mg/kg bw/d (Consumer)
Dermal	Systemic - Long term exposure	629 mg/kg bw/d (Consumer)
		880 mg/kg bw/d (Employee)
Inhalative	Systemic - Long term exposure	304 mg/m ³ (Consumer)
		617 mg/m ³ (Employee)

PNECs**5131-66-8 3-Butoxypropan-2-ol**

Freshwater	0.525 mg/l (not specified)
Marine water	0.052 mg/l (not specified)
Soil	0.16 mg/kg (not specified)
Sediments (Freshwater)	2.36 mg/kg (not specified)
Sediments (Marine water)	0.236 mg/kg (not specified)
Sewage plant	10 mg/l (not specified)

Ingredients with biological limit values:

Void

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls**8.2.1. Information about design of technical facilities**

No further data; see item 7.

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8.2.2. Individual protection measures, such as personal protective equipment
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Remove contaminated clothing immediately and thoroughly clean it before using it again. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Ensure that washing facilities are available at the work place.

Respiratory protection:


Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye/face protection:

Not required

Risk management measures:

An operator training/guidance in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

8.2.3. Environmental exposure controls

Avoid release in the environment. Use the surplus or dispose it of properly.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties
General Information
Physical state

Liquid

Appearance:
Form:

Fluid

Colour:

Colourless

Odour:

Characteristic

Odour threshold:

Not safety relevant

Molecular weight

132.2 g/mol

pH

7

Change in condition
Melting point/freezing point:

< -80 °C (< -112 °F) (ISO 3016)

Boiling point or initial boiling point and boiling range

165 - 175 °C (329 - 347 °F)

Flammability
Flash point:

63 °C (145.4 °F) (DIN 53171)

Auto-ignition temperature:

260 °C (500 °F) (DIN 51794)

Decomposition temperature:

Not determined

Oxidising properties:

None

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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Lower and upper explosion limit

Lower:	1.1 Vol %
Upper:	8.4 Vol %
Ignition temperature:	Product is not selfigniting.
Vapour pressure at 20 °C (68 °F):	1.3 hPa (1 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	0.88 g/cm ³ (7.34 lbs/gal)
Viscosity:	
Dynamic at 20 °C (68 °F):	2.8 mPas (DIN 53019)
Solubility	
Water at 20 °C (68 °F):	52 g/l Not miscible or difficult to mix

Partition coefficient n-octanol/water (log value)

1.2

Solids content:

0.0 %

Solvent content:
Organic solvents:

100.0 %

VOC without water (EC):

884.00 g/l

VOC with water (EC):

884.00 g/l

VOC with water (EC):

100.000 %

9.2 Other information
Information with regard to physical hazard classes
Explosive substances / mixtures and articles

containing explosives Void

Flammable gases Void

Aerosols Void

Oxidising gases Void

Gases under pressure Void

Flammable liquids Void

Flammable solids Void

Self-reactive substances and mixtures Void

Pyrophoric liquids Void

Pyrophoric solids Void

Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

Desensitised explosives Void

SECTION 10: Stability and reactivity
10.1 Reactivity

No dangerous reactions known (see 10.5).

No further relevant information available.

10.2 Chemical stability:

Stable at environment temperature.

10.3 Possibility of hazardous reactions

Forms explosive gas mixture with air.

Develops readily flammable gases/fumes.

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Flammable.

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10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

In case of fire, the following can be released:
Carbon monoxide and carbon dioxide

Additional information:

No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

5131-66-8 3-Butoxypropan-2-ol

Oral	LD ₅₀	3,300 mg/kg (Rat) (OECD 401)
Dermal	LD ₅₀	> 2,000 mg/kg (Rat) (OECD 402)
Inhalative	LD ₀ (4h)	> 651 ppm (Rat) (OECD 403)

Other information (about experimental toxicology):

5131-66-8 3-Butoxypropan-2-ol

Oral	OECD 471	(Salmonella typhimurium) negative
	OECD 408 (Repeated dose oral toxicity 90d)	350 mg/kg bw/day /NOAEL (Rat)
Dermal	OECD 411 (Subchronic dermal toxicity 90d)	880 mg/kg bw/d /NOAEL (Rat)
Inhalative	OECD 412 (Subacute inhalation 28d)	> 700 mg/m ³ /NOAEL (Rat)
Irritation of skin	OECD 404	(Rabbit) moderately irritating
Irritation of eyes	OECD 405	(Rabbit) irritating
Sensitisation	OECD 406	(Guinea pig) not sensitizing
	OECD 453	11,058 /NOAEC (Mouse) negative
	OECD 416 (Two-Generation Reproduction)	1.11 - 3.69 /mg/ (Rat)

Primary irritant effect:

On the skin:

Causes skin irritation.

On the eye:

Causes serious eye irritation.

Sensitization:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

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Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure (STOT SE):

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure (STOT RE):

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Practical experience

No further relevant information available.

General comments

No further relevant information available.

11.2 Information on other hazards**Endocrine disrupting properties** Substance is not listed.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:****5131-66-8 3-Butoxypropan-2-ol**

LC ₅₀	560 mg/l (Fish - poecilia reticulata) (OECD 203)
EC ₅₀ (48h)	> 1,000 mg/l (Water flea - daphnia magna) (OECD 202)
EC ₅₀ (96h)	560 mg/l (Algae - selenastrum capricornutum) (OECD 201)
EC ₅₀ (3h)	> 1,000 mg/l (Activated sewage sludge) (OECD 209)

12.2 Persistence and degradability

No further relevant information available.

Degree of elimination:**5131-66-8 3-Butoxypropan-2-ol**

Biodegradation (28d)	90 % (not specified)
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12.3 Bioaccumulative potential**5131-66-8 3-Butoxypropan-2-ol**

Log Kow	1.2 (not specified)
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12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

vPvB:

This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

This substance/mixture does not contain components with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations of 0.1% or higher.

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12.7 Other adverse effects
Literature

No further relevant information available.

Ecotoxicological effects:

No further relevant information available.

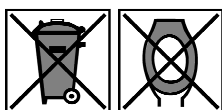
Behaviour in sewage processing plants:

No further relevant information available.

Additional ecological information:
General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations
13.1 Waste treatment methods
Recommendation:


Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Risk of environmental pollution. Follow the applicable regulations on waste disposal. Keep unused products and contaminated packaging sealed. Provide containers for waste collection. Hand over for disposal to a specialist company authorised to carry out such activities. Prevent the product from being released into the environment. Do not allow the product to enter the sewage system. Must not be disposed of with municipal waste. Empty containers can be utilised for energy recovery in a waste incineration plant or, if classified accordingly, collected at a landfill site. Perfectly cleaned packaging can be recycled.

Dispose of contents/container in accordance with local/regional/national/international regulations.

European waste catalogue

07 01 04*	other organic solvents, washing liquids and mother liquors
HP4	Irritant - skin irritation and eye damage

Uncleaned packaging
Recommendation:

Disposal must be made according to official regulations.

Recycle only completely emptied packaging.

SECTION 14: Transport information
14.1 UN number or ID number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

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14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class

Void

14.4 Packing group
ADR, IMDG, IATA

Void

14.5 Environmental hazards
Marine pollutant:

No

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to
IMO instruments

Not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**Poisons Act****Regulated explosives precursors** Substance is not listed.**Regulated poisons** Substance is not listed.**Reportable explosives precursors** Substance is not listed.**Reportable poisons** Substance is not listed.**Directive (EU) 2012/18****Named dangerous substances - ANNEX I :**

Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII :

Conditions of restriction: 3

Additional information on Entry 78

The product does not contain synthetic polymeric microplastics >0.01% according to EC 2055/2023.

Regulation (EU) No 649/2012**Annex I - RESTRICTED EXPLOSIVES PRECURSORS****(Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients are included.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.**National regulations:****Waterhazard class:**

Water hazard class 1 (Assessment by list): Slightly hazardous for water

Other regulations, limitations and prohibitive regulations:

·Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

·Commission Regulation (EU) No 878/2020 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH)

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· Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

· Commission regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH)

· Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste

· Regulation (EC) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Reasons for changes:

* Data compared to the previous version altered.

Relevant phrases:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Department issuing MSDS:

Product safety department (+43/(0)5522-41646-0 / klaus.ritter@fixit-gruppe.com)

Contact:

Dr. Klaus Ritter

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

MAK: Maximale Arbeitsplatz-Konzentration (maximum concentration of a chemical substance in the workplace, Austria/Germany)

PBT: persistent, bioaccumulative and toxic properties

vPvB: very persistent, bioaccumulative properties

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Further information:

The information in this safety data sheet describe the safety requirements of our product and is based on our current state of our knowledge. They provide no assurance of product quality. Existing laws, ordinances and regulations, including those that are not mentioned in this data sheet must be observed by the recipient of our products in their own responsibility.

In several cases a safety data sheet was not provided for all of the required countries by the supplier of this product despite multiple requests. In order to comply with the legal requirements concerning the protection of our employees, we have therefore produced this safety data sheet with

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Safety data sheet
according to UK REACH



Printing date 04.04.2026

Version number: RO/ 11 (replaces version 10)

Revision: 04.04.2026

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all the information available to us from the supplier and the European Chemicals Agency (ECHA).
However, the safety data sheet of the supplier is the legally binding document in each case.

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