

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

Product identifier**Trade name:**

IMPREGNAT DO KLINKIERU 1001

Water impregnant for clinker

Unique Formula Identifier (UFI-Code):

MYFA-W08T-D00J-JMAU

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

C/PW Consumer use / Widespread use by professional workers

Sector of Use

SU19 Building and construction work

Product category

PC9a Coatings and paints, thinners, paint removers

Process category

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC19 Manual activities involving hand contact

Environmental release category

ERC10a / ERC11a Widespread use of articles with low release

Article category

AC0 Other

Application of the substance / the preparation

Coating material - Product for an industrial, technical and private use for coating building surfaces.
For all other uses is advised against/ not recommended.

Details of the supplier of the safety data sheet**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

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.

Emergency telephone number

National poisons information centre: +44/(0)171 - 635 9191

National Health Service: 111

European emergency call: 112

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SECTION 2: Hazards identification

Classification of the substance or mixture

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS05

Signal word

Danger

Hazard-determining components of labelling:

Potassium alkylsiliconate

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in keeping with local and national regulations.

Other hazards

No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

Chemical characterization: Substances

This product is a mixture.

Mixtures

Description:


Mixture of substances listed below with nonhazardous additions

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Dangerous components:

CAS: 93857-00-2 EINECS: 299-135-8 REACH: 01-2119970331-43	Potassium alkylsiliconate  Skin Corr. 1A, H314; Eye Dam. 1, H318	1 - 2.5%
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Other components (>20%):

CAS: 7732-18-5 EINECS: 231-791-2 REACH: ¹	Water	50 - < 100%
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Additional information:

For the wording of the listed hazard phrases refer to section 16.

¹ Not subject to registration in accordance with EC 1907/2006 Annex V (point 7) or Article 2.

SECTION 4: First aid measures

Description of first aid measures

First aid

General information:

For first responder no special personal protective equipment is required. First responder should avoid contact with the product.

After inhalation:

Take affected persons into fresh air and keep quiet. Seek medical treatment in case of complaints. In case of irregular breathing or respiratory arrest provide artificial respiration. 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:

Do not rub eyes because additional damage to eyes can be caused by mechanical stress. If necessary, remove contact lenses and flush the eye immediately while holding eyelids open to water for at least 20 minutes. If possible, isotonic eyewash solution (e. g. 0,9% NaCl). Always consult an occupational physician or ophthalmologist.

After swallowing:

Do not induce vomiting. If conscious rinse mouth with water and drink plenty of water. Consult a physician or poison control center.

Most important symptoms and effects, both acute and delayed

Symptoms and effects are described in section 2 and 11.

Hazards:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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.

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SECTION 5: Firefighting measures**Extinguishing media**

The mixture is flammable neither in the delivery condition nor in mixed conditions. Extinguisher and fire fighting are therefore adjusted to the surrounding fire.

Suitable extinguishing agents:

The mixture is flammable neither in the delivery condition nor in mixed conditions. Extinguisher and fire fighting are therefore adjusted to the surrounding fire.

Special hazards arising from the substance or mixture

This product is neither explosive nor flammable, and non-oxidizing with other materials. Particular danger of slipping on leaked/spilled product.

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.

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

Wear protective equipment. Keep unprotected persons away.

Avoid inhalation, eye and skin contact. If appropriate, reference must be made to exposure controls and personal protection (see section 8).

Environmental precautions

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

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.

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**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:

No special measures required.

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

Keep out of reach of children. Store in cool, dry place in tightly closed receptacles.

Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and feed.

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Further information about storage conditions:

Protect from frost. Protect from heat and direct sunlight.

Minimum storage life:

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

Storage class: 8 B**Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs**93857-00-2 Potassium alkylsiliconate**

Oral	Long term exposure	0.08 mg/kg bw/d (Consumer)
	Short term exposure	0.08 mg/kg bw/d (Consumer)
Dermal	Systemic - Long term exposure	0.6 mg/kg bw/d (Consumer)
		1.6 mg/kg bw/d (Employee)
	Systemic - Short term exposure	0.6 mg/kg bw/d (Consumer)
		1.6 mg/kg bw/d (Employee)
Inhalative	Systemic - Long term exposure	2 mg/m ³ (Consumer)
		11.2 mg/m ³ (Employee)
	Systemic - Short term exposure	2 mg/m ³ (Consumer)
		11.2 mg/m ³ (Employee)

PNECs**93857-00-2 Potassium alkylsiliconate**

Freshwater	1.5 mg/l (not specified)
Marine water	0.15 mg/l (not specified)
Soil	0.26 mg/kg (not specified)
Sediments (Freshwater)	5.7 mg/kg (not specified)
Sediments (Marine water)	0.57 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.

Exposure controls**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.

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Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed (FFP2 according to EN 149)

Hand protection:

Hand protection: Chemical resistant protective gloves according EN ISO 374

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Polychloroprene (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)

Nitrile rubber (material thickness ≥ 0.35 mm ; breakthrough time ≥ 480 min.)

Butyl rubber (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)

Fluororubber (material thickness ≥ 0.4 mm ; breakthrough time ≥ 480 min.)

Neoprene (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)

Not suitable are gloves made of the following materials:

Non-liquid-tight gloves made of fabric, leather or similar materials.

Eye/face protection:

In case of splash risk use tightly fitting safety goggles according to EN 166.

Body protection:

Protective work clothing

Risk management measures:

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

Information about design of technical facilities

No further data; see item 7.

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Environmental exposure controls

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

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

Physical state	Fluid
Appearance:	
Form:	Fluid
Colour:	Colourless
Odour:	Mild
Odour threshold:	Not safety relevant
pH at 20 °C (68 °F)	> 12
Change in condition	
Melting point/freezing point:	~ 0 °C (~ 32 °F) (ISO 3016)
Boiling point or initial boiling point and boiling range	~ 100 °C (~ 212 °F)
Flammability	
Flash point:	Not applicable
Oxidising properties:	None
Explosive properties:	Product does not present an explosion hazard.
Ignition temperature:	Product is not selfigniting.
Vapour pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	1 - 1.1 g/cm ³ (8.35 - 9.18 lbs/gal)
Particle size	
Viscosity:	
Dynamic at 20 °C (68 °F):	< 100 mPas (DIN 53019)
Solubility	
Water:	Fully miscible
Solids content:	3 - 6 %
VOC without water (EC):	0.00 g/l
VOC with water (EC):	0.00 g/l
VOC with water (EC):	0.000 %

Other information
Information with regard to physical hazard classes

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

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Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

Reactivity

No dangerous reactions known (see 10.5).

Chemical stability:

The product is stable as long as it is stored properly and dry.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

Reacts with acids, alkalis and oxidising agents.

Conditions to avoid

No further relevant information available.

Incompatible materials

No further relevant information available.

Hazardous decomposition products

No dangerous decomposition products known.

Minimum storage life:

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

Additional information:

No further relevant information available.

SECTION 11: Toxicological information

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

The product was not investigated. The statement is derived from the properties of the single components.

Acute toxicity:

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

LD/LC50 values relevant for classification:**93857-00-2 Potassium alkylsiliconate**

Oral	LD ₅₀	11,685 mg/kg (Rat)
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Other information (about experimental toxicology):**93857-00-2 Potassium alkylsiliconate**

Oral	OECD 471 (In vitro - Mutation, Ames-Test)	(Salmonella typhimurium) Negative
	OECD 422 (Repeated dose reproduction test)	50 mg/kg bw/d /NOAEL (Rat)
Inhalative	OECD 413 (Subchronic inhalation toxicity 90d)	0.56 mg/l /NOAEL (Rat)
Sensitisation	OECD 406 (sensitization)	(Guinea pig) Criteria not met
	OECD 474 (In vivo - Micro nucleous test)	(Mouse) Negative

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On the skin:

Causes severe skin burns and eye damage.

On the eye:

Causes serious eye damage.

Practical experience

No further relevant information available.

General comments

No further relevant information available.

Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

Toxicity

The product was not investigated. The statement is derived from the properties of the single components.

Aquatic toxicity:**93857-00-2 Potassium alkylsiliconate**

LC ₅₀ (96h)	> 746 mg/l (Zebrafish - danio rerio)
EC ₅₀ (48h)	> 816 mg/l (Water flea - daphnia magna)
EC ₅₀ (72h)	> 913 mg/l (Algae scenedesmus subcapitatus)

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

Other adverse effects

No further relevant information available.

Literature

No further relevant information available.

Ecotoxicological effects:

No further relevant information available.

Behaviour in sewage processing plants:**93857-00-2 Potassium alkylsiliconate**

EC ₂₀ (3h)	> 100 mg/l (Activated sewage sludge)
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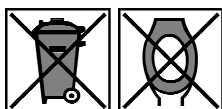
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Additional ecological information:
General notes:

Not hazardous for water.

SECTION 13: Disposal considerations
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

06 02 05*	other bases
15 01 02	Plastic packaging
HP4	Irritant - skin irritation and eye damage

15 01 02 for the completely emptied packaging

Uncleaned packaging
Recommendation:

Disposal must be made according to official regulations.

Recycle only completely emptied packaging.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14: Transport information
UN number or ID number
ADR, IMDG, IATA

Void

UN proper shipping name
ADR, IMDG, IATA

Void

Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class

Void

Packing group
ADR, IMDG, IATA

Void

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Environmental hazards	Not applicable.
Special precautions for user	Not applicable
Maritime transport in bulk according to IMO instruments	Not applicable
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Poisons Act
Regulated explosives precursors

None of the ingredients is listed.

Regulated poisons

None of the ingredients is listed.

Reportable explosives precursors

None of the ingredients is listed.

Reportable poisons

1310-58-3	Potassium hydroxide	17% of total caustic alkalinity
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GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms


GHS05

Signal word Danger

Hazard-determining components of labelling:

Potassium alkylsiliconate

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in keeping with local and national regulations.

Directive (EU) 2012/18
Named dangerous substances - ANNEX I :

None of the ingredients is listed.

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Biozide ingredients (528/2012/EG):

Data based on recipe and information on the raw materials from the supply chain.

None of the ingredients is listed.

Classification according 2004/42/EG: Not applicable.**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) 2020/878 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)

·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

·Regulation (EC) 1013/2006 on shipments of waste

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:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Advice for instructions:

Additional trainings, which go beyond the prescribed training in activities involving hazardous substances are not required.

Literature and the data sources:**Department issuing MSDS:**

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

Contact:

Dr. Klaus Ritter

Date of previous version: 03.12.2020**Version number of previous version:** 3**Abbreviations and acronyms:**

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

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Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

KREISEL®

Printing date 21.04.2024

Version number: RO/ 4 (replaces version 3)

Revision: 21.04.2024

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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 Corr. 1A: Skin corrosion/irritation – Category 1A
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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.

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