EWIPRO®
External wall insulation systems

Safety Data Sheet

According to 1907/2006/EC, Article 31

Product Identifier

Nano Drex Protect: Render Guard

Revision: 06.06.2021 Printing date 06.06.2021 Version number: R0/ 8

KREISEL®

Section 1
Identification of the substance/mixture and of the manufacturer/ product distributor

1.1 Product identifier

Trade name: Nano Drex Protect: Render Guard

1.2 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

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

1.3 Details of the supplier of the safety data sheet

Manufacturer:
KREISEL - Technika Budowlana Sp. z o.o.
ul. Szarych Szeregów 23
60-462 Poznan
Poland
Tel. +48 (0)61 846 79 00
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poznan@kreisel.pl
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Supplier:
EWI Pro External Wall Insulation Systems
UNIT 1, Kingston Business Centre
Fullers Way Road Chessington KT9 1DQ
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For further information, contact:
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1.4 Emergency telephone number

Environment Agency Emergency Hotline: +44/(0)800 80 70 60
Emergency Services (UK): 999

Section 2
Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

Precautionary statements

Observe the general safety regulations when handling chemicals.

Additional information:

EUH208 Contains 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3 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

3.1 Chemical characterisation: Substances

This product is a mixture.

3.2 Chemical characterisation: Mixtures

Description: Mixture of binder dispersion, fillers and nonhazardous additions

Dangerous components:		
CAS: 2682-20-4 EINECS:220-239-6 REACH: 01-2120764690-50	2-Methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.0015 %	< 0.0015%
CAS: 7732-18-5 EINECS: 231-791-2 REACH: [1]	Water	50 - < 100%

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

4.1 Description of first aid measures

General information:

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

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 re-use. Clean contaminated shoes before re-use. If skin irritation continues, consult a medical professional

After eye contact:

Do not rub eyes because this can cause additional damage. If necessary, remove contact lenses and immediately rinse the eye with water, or if possible, with isotonic eyewash solution (e.g. 0.9% NaCl). Always consult a medical professional.

After swallowing:

Do not induce vomiting. If physically able, rinse mouth with water and drink plenty of water. Consult a medical professional or poison control center.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are described in section 2 and 11.

Hazards

No further relevant information available.

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

If it is necessary to seek medical attention, this safety data sheet should be presented to the medical professional.

Section 5
Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

The mixture is flammable neither in the delivery condition not in mixed conditions. Extinguisher and fire fighting are therefore adjusted to the surrounding fire.

5.2 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.

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.

Section 6
Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

If appropriate, reference must be made to exposure controls and personal protection (see section 8).

6.2 Environmental precautions

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

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 in the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities/water for cleaning eyes and skin should be available. People with skin diseases or other hypersensitivity reactions of the skin should not handle the product. Do not eat, drink, smoke or sniff the product.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers:

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

Information about storage in one common storage facility:

Keep away from food and drink.

Further information about storage conditions:

Protect from frost. Protect from heat and direct sunlight.

Miniumum storage temperature:

Minimum storage temperature (+5 ºC up to 25 ºC): See indication on package.

Storage class: 12

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:

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

DNELs		
2682-20-4 2-Methyl-2H-isothiazol-3-one		
Oral	Long term exposure Short term exposure	0.027 mg/kg bw/d (Consumer) 0.053 mg/kg bw/d (Consumer)
Inhalation	Local - Long term exposure Local - Short term exposure	0.021 mg/m³ (Consumer) 0.021 mg/m³ (Employee) Local - Short term exposure 0.34 mg/m³ (Consumer) 0.34 mg/m³ (Employee)

PNECs **2682-20-4 2-Methyl-2H-isothiazol-3-one**
PNEC freshwater 0.127 mg/l PNEC sea water 1 mg/l PNEC soil 100 mg/l PNEC sediments freshwater 1000 mg/l PNEC sediments seawater 100 mg/l PNEC sewage plant 100 mg/l

Additional information:

During manufacture, the valid lists were used as a guidance only.

8.2 Exposure controls

8.2.1. Personal protective equipment

General protective and hygienic measures:

For any skin sensitivities use skin protection cream. Avoid close or long term contact with the skin. Avoid contact with the eyes. Wash hands before breaks and at the end of work. Keep away from food and drink. Do not sniff the product.

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

Protection of hands:
Hand protection: Chemical resistant protective gloves according EN 374

The glove material has to be impermeable and resistant to the product. No recommendation to the glove material can be given for the product. Select the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves are in good condition before each use. Preventative skin protection by use of skinprotecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

Penetration time of glove material:

Check with the glove manufacturer for exact break through times.

Gloves made of the following materials are suitable:

Nitrile rubber, NBR gloves

Synthetic rubber gloves

PVC gloves

Neoprene gloves

Recommended thickness of the material: ≥ 0,15mm

Gloves made of the following materials are not suitable:

Leather gloves

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

Body protection:
Protective work clothing

Risk management measures:

Operator training in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

8.2.2. Information about design of technical facilities

No further data; see item 7.

8.2.3. Limitation and supervision of exposure into the environment

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

Section 9
Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form	Fluid
Colour	Whitish
Odour	Mild
pH-value at 20 °C (68 °F)	7-8
Change in condition Initial boiling point and boiling range:	100°C (> 212°F)
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined
Auto-ignition temperature	Product is not self-igniting.
Explosive properties	Product does not present an explosion hazard.
Explosion limits:	
Lower	Not determined.
Upper	Not determined.
Vapour pressure at 20 °C (68 °F)	23 hPa (17 mm Hg)
Density at 20 °C (68 °F)	ca. 1.5 g/cm³ (ca. 12.518 lbs/gal)
Solubility in / Miscibility with water:	Fully miscible.
Viscosity: Dynamic at 20 °C (68 °F)	> 1000 mPas
Solvent content:	
Organic solvents	N/A
Water	N/A
VOC (EC)	0.00g/l
VOC (EC)	0.00g/l
Solids content	N/A

Section 10
Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability:

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

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Additional information:

No further relevant information available.

Miniumum storage temperature:

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

Section 11
Toxicological information

11.1 Information on toxicological effects

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:		
2682-20-4 2-Methyl-2H-isothiazol-3-one		
Oral	LD_{50}	232 - 249 mg/kg (Rat) (OECD 401)
Dermal	LD_{50}	242 mg/kg (Rat) (OECD 402)
Inhalative	LC_{50} (4h)	0.05 mg/l (ATE)
	LC_{50} (4h)	0.11 mg/l (Rat) (OECD 403)

Other information (about experimental toxicology):		
2682-20-4 2-Methyl-2H-isothiazol-3-one		
Oral	OECD 408 (Repeated dose oral toxicity 90d)	19 mg/kg bw/day (Rat)
Irritation of skin	OECD 404 (skin)	(Rabbit) corrosive
Sensitisation	OECD 406 (sensitization)	(Guinea pig) sensitizing

Sensitization:

Sensitising effect by skin contact is possible by prolonged exposure.

Practical experience

No further relevant information available.

General comments

No further relevant information available.

Primary irritant effect:

On the skin:

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

On the eye:

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

Sensitisation:

Sensitising effect by skin contact is possible by prolonged exposure.

Germ cell mutagenicity:

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

Carcinogenicity:

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

11.2 Practical experience

No further relevant information available.

11.3 General comments

No further relevant information available.

Section 12
Stability and reactivity

12.1 Toxicity

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

Aquatic toxicity:	
2682-20-4 2-Methyl-2H-isothiazol-3-one	
LC_{50} (96h Marine water)	2.98 mg/l (Water flea - daphnia magma)
LC_{50} (96h Freshwater)	0.934 mg/l (Water flea - daphnia magma)
LC_{50}	4.77 mg/l (Fish) (OECD 203)
EC_{10}	0.044 mg/l (Water flea - daphnia magma) (OECD 211)
	4.93 mg/l (Fish)

EC_{50}	41 mg/l (Activated sewage sludge) (OECD 209)
	0.103 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201)
EC_{50} (16h)	2.3 mg/l (Pseudomonas putida)

12.2 Persistence and degradability
A part of the components is biodegradable.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Literature
No further relevant information available.

Ecotoxical effects:
No further relevant information available.

Behaviour in sewage processing plants:	
2682-20-4 2-Methyl-2H-isothiazol-3-one	
EC_{20} (3h)	2.8 mg/l (Activated sludge organisms) (DIN 38412-3 TTC-Test)

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

Section 13
Disposal considerations

Must not be disposed together with household rubbish.

Do not allow product to reach sewage system.

European waste catalogue	
08 01 20	Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
15 01 02	Plastic packaging
08 01 20	Residues of the unprocessed product

13.2 Uncleaned packaging

Recommendation:

Disposal must be made according to official regulations. Recycle only completely emptied packaging.

Recommended cleansing agents:

Water and/or cleansing agents.

Section 14
Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	VOID
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	VOID
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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN “Model Regulation”:	Void

Section 15
Regulatory information

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

Observe the general safety regulations when handling chemicals.

Directive 2012/18/EU

Named dangerous substances - ANNEX I :

None of the ingredients are listed.

National regulations:

Biozide ingredients (98/8/EG):

Tetramethylolacetylene diurea	< 0.03%
2-Methyl-2H-isothiazol-3-one	< 0.0015%

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

Classification according 2004/42/EG:

IIA(a) 30 - This product contains < 30 g/l VOC (see chapter 9)

Technical Rules for Hazardous Substances 900 - Workplace exposure limits (TRGS 900,Germany)

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

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Dr. Klaus Ritter

Further information:

The information in this safety data sheet describes the safety requirements of our product and is based on our current state of knowledge. These sheets provide no assurance of product quality. The recipient must act responsibly during use and observe the existing laws, ordinances and regulations that are not mentioned on this datasheet.

ADR: Accord européen sur le transport 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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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, bioaccumulatice 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

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Further information:

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