



Safety Data Sheet
KLEIB HYDRO EXTRA

Created on AUG 03, 2015

Updated on MAY 20, 2016

Prepared in keeping with Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

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

1.1 Product identifier

Trade name: KLEIB HYDRO EXTRA

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

Two-component elastic sealing compound, based on Portland cement and acrylic dispersion, used for waterproof insulation indoors and outdoors.

1.3 Details of the supplier of the safety data sheet

KLEIB Sp. z o.o.

Pikutkowo 43

87-880 Brześć Kujawski

tel. +48 54 233 82 83

fax.+48 54 233 82 83

e-mail:biuro@kleib.pl

1.3 Emergency telephone numbers

Tel: +48 54 233 82 83 (during business hours) between 7 AM do 4 PM

988, using land lines 112, Or the near es territorial unit of the National Fire Service.

Email address of the person responsible for the safety data sweet: bogumil@kleib.pl

1.4 Date of preparation

AUG 03, 2015

1.5 Date of the latest update

May 20, 2016

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in keeping with Regulation 1272/2008/EC:

Physicochemical hazards: not classified as presenting hazard.

Health hazards: Skin Sens. 1 - Skin sensitization, category 1

H317 - May cause an allergic skin reaction

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Eye Dam. 1 - Serious eye damage / eye irritation; category 1

H318 - Causes serious eye damage

Skin Irrit. 2- Skin corrosion / irritation; category 2

H315 - Irritating to skin

Skin Sens. 1B - Skin sensitization, category 1B

STOT SE 3 - Specific target organ toxicity - single exposure

STOT single exposure; category 3

H335 - May cause respiratory irritation

Environmental hazards: not classified as dangerous.

Additional information: none

2.2 Label elements

Labeling in keeping with Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms:



GHS07



GHS05

Signal Word(s): Caution

Contains: 5-chloro-2-methyl-2H-isothiazolin-3-one , 2 methyl-2H-isothiazolin-3-one
Portland cement

Hazard statements (H):

H317 May cause an allergic skin reaction

H315 Irritating to the skin

H318 Causes serious eye damage

H335 May cause respiratory irritation

Precautionary statements (P):

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 remove.

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

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

P333 + P313 If skin irritation or rash occurs. Get advice / rashes. Get advice / get medical attention.

P333 + 313 If skin irritation or rash occurs. Get advice / rashes. Get advice / get medical attention.

P501 Dispose of contents / container in accordance with local regulations.

Additional information

The content of soluble chromium VI in the product is less than 2 ppm over the shelf life indicated on the packaging. After this period, the risk of chromium allergy increases.

2.3. Other hazards

There are insufficient data to include the product in PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

– the product is not a substance

3.2. Mixtures – chemical properties

Mixture. A preparation based on water, elastic styrene and acrylic dispersion with modifying agents and on Portland cement, quartz sand and modifying agents

HAZARDOUS INGREDIENTS:

Number	Name of ingredient	Classification	%
CAS: 55965-84-9 WE: 611-341-5 Index: 613 -167-00-5 Registration: -	Mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one (WE: 247-500-7) and 2 methyl-2H-isothiazolin-3-one [WE 220-239-6] (3:1)	Acute Tox. 3 H301, Acute Tox 3 H311, Acute Tox 3 H331, Skin Corr. 1B H314, Skin Sens.1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410	<0,0025
CAS: 65997-15-1 WE: 266-043-4 Index: - Registration: not subject to registration	Portland clinker	Skin Irrit. 2 -H315, Eye Dam. 1 - H318, STOT SE 3 -H335, Skin. Sens. 1B H317	>20
CAS: 68475-76-3 WE: 270-659-9 Index: Registration:01-2119486767-17-0065	Dust from the production of Portland cement *	Skin Irrit. 2 -H315, Eye Dam. 1 - H318, STOT SE 3 -H335, Skin. Sens. 1B H317	<0.5

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CAS: 7720-78-7 WE: 231-753-5 Index: 026-003-00-7 Rej 01-2119513203-57	Cr (VI) iron sulphate reducer	Acute Tox. 4 * H302 Eye Irrit. 2 H319 Skin Irrit. 2 H315, Skin Sens.1 H317	<0.5
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** Substances for which maximum occupational exposure limits have been determined*

Meaning of the H-abbreviations – see section 16

PBT / vPvB substances: the product contains no substances classified as PBT or vPvB.

SECTION 4: First aid measures

4.1. Description of first aid measures

General recommendations

If any alarming symptoms occur, call a physician immediately or take the victim to the hospital; show the packaging or label.

Eye contact

Remove contact lenses. With the eyelids rolled up, rinse the eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact

Immediately remove any clothing contaminated with the product. Wash contaminated skin with large amounts of soap and water and rinse thoroughly. Seek advice from a dermatologist when skin irritation occurs.

Inhaled

.Lead out / remove the victim from the affected area and ensure resting in a position which allows breathing Ensure access of fresh air. Seek medical attention if symptoms persist. Place and transport an unconscious person on the side in the recovery position.

Ingested

Rinse mouth with water. Drink several glasses of water. Do not induce vomiting. If unconscious, do not give anything by mouth without consulting a doctor. If any symptoms appear or persist, seek medical attention.

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

Inhaled – no data available

Eye and Skin contact – may cause skin/eye irritation to susceptible individuals, following exposure to the product

Ingested – If ingested, may cause irritation and vomiting.

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

If any alarming systems appear, seek immediate medical attention, show Safety Data Sheet, packaging and label

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable: The product is not flammable. Water mist, extinguishing foam, carbon dioxide extinguishers (CO₂), powder extinguishers with ABC or BC extinguishing powders.

Incorrect: condensed streams of water

5.2. Special hazards arising from the substance or mixture

The product is not flammable. Do not inhale fumes and gases generated during a fire. The combustion products may contain carbon and nitrogen oxides and other harmful fumes and gases

5.3. Advice for firefighters

Follow the procedures for extinguishing chemical fires. The containers exposed to fire or high temperature cool by spraying water on them at safe distance if possible. Then safely remove them from the area of danger and continue spraying until completely cooled

Do not allow the runoff from extinguishing the fire to enter the sewage system or open water.

Remove the runoff and residue after a fire in accordance with the applicable regulations.

It is advisable to wear self-contained breathing apparatus and protective clothing resistant to chemicals.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In emergency situations, notify the relevant authorities. Limit the access of unauthorized persons to the area of failure until the completion of appropriate cleaning operations. Use personal protective equipment. (see sections 7 and 8)

Observe the recommended precautions, use personal protective equipment (see sections 7 and 8).

6.2. Environmental precautions

Do not allow the product to enter wastewater, water or soil in concentrated form

Remove as directed in section 13.

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6.3. Methods and material for containment and cleaning up

In case of spillage or leakage of a bigger amount, soak up with absorbent material (sand, diatomaceous earth, sawdust) , place in a marked container and dispose. The remains should be rinsed with large amounts of water, water is to be gathered and disposed – do not let the runoff to the sewage system

6.4. Reference to other sections

See Sections 8, 13 and 15.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

When using and storing the product, follow the generally applicable regulations on health and safety of working with chemicals.

Recommendations concerning safe handling

The product is not flammable. Use as intended and as recommended in the manufacturer's instructions. Observe the rules of personal hygiene, apply appropriate personal protective equipment (see section 8).

Recommendations regarding fire and explosion protection

The product is not flammable.

Work hygiene recommendations

Avoid contact with eyes and skin. Observe the generally applicable health and safety regulations. Proceed according to principles of good industrial hygiene.

Do not eat, drink, or smoke in the workplace. Wash hands with soap and water after use. Do not use contaminated clothing. Remove contaminated clothing immediately, clean / wash before reuse.

7.2. Conditions for safe storage including any incompatibilities

Store only in separated, well ventilated rooms, in original, tightly closed and vertically positioned containers. Store in a room temperature. Both freezing and excessive heating should be avoided, as they may worsen the stability and application properties

7.3. Specific end use(s)

See point 1. Contact the manufacturer / supplier for more information.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The highest concentration limits in the work environment / Monitoring procedures

Ordinance of the Minister of Labor and Social Policy of 23 June 2014 on the highest permissible concentrations and intensities of agents harmful to health in the work environment (Official Journal of 2014 No. 0, item 817):

not specified

Monitoring procedures

The mode, type, and frequency of tests and measurements should meet the requirements set in the Ordinance of the Minister of Health of February 2, 2011 on the testing and measurement of harmful factors in the work environment (Official Journal of 2011, No. 33, item 166).

Acceptable biological values

No data.

8.2. Exposure controls

Technical control measures

Ensure adequate ventilation at work stations and apply appropriate personal protective equipment. Ensure access to running water and prevent washing hands with the water from the bucket used to clean tools. It is recommended to install eye rinsers near work stations.

Individual protection measures

Remove clothing contaminated with the product. Wash hands before each break and after work. Do not eat, drink or smoke in the workplace, do not take any medicines.



Respiratory protection

No special protection needed if adequate ventilation is ensured. In conditions of insufficient ventilation or exposure to atmosphere with the product aerosol (e.g. particle filter – marked with colour white and P2 symbol)



Hand protection

When handling the product, wear suitable protective gloves, e.g. butyl or nitrile rubber. The gloves must meet EN 374 and penetration time >480min. The protective properties of gloves depend not only on the type of material from which they are made. The duration of the protective action can be different for different glove manufacturers. In the case of

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many substances, it is not possible to precisely estimate the protective time of gloves. Taking into account the glove parameters provided by the manufacturer, one should pay attention when using the product whether gloves still retain their protective properties.



Eye protection

Wear tight-fitting protective goggles which will protect the eyes against splashes



Skin protection

Consider suitable protective long-sleeved shirts and long trousers to prevent the material from getting under clothing. Wear waterproof, long safety shoes. It is advisable that clothing and shoes are chemically resistant to the mixture

Control of environmental exposure

No special measures needed

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

	Component A	Component B
Packaging	paper bag 25kg	canister 10l (10kg)
Appearance:	gray powder	milk liquid
Odor:	none	characteristic, acrylic
Odor threshold (odor):	no data available	no data available
PH value:	8-11	8,5-8,9
Melting / freezing point:	no data available	no data available
Temperature / boiling range:	no data available	100 °C
Flash point:	non-flammable	non-flammable
Evaporation rate:	no data available	no data available
Flammability (solid):	not flammable	no data available
Upper-lower explosion limit:	no data available	no data available
Vapor pressure:	no data available	no data available

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Vapor density versus air:	no data available	no data available
Relative density:	no data available	no data available
Density: approx.	1.7g / cm ³	
Solubility in water:	not soluble	soluble In the entire range
Partition coefficient n-octanol / water:	no data available	no data available
Auto-ignition temperature:	no data available	no data available
Decomposition temperature:	no data available	no data available
Viscosity:	no data available	no data available
Explosive properties:	none	none
Oxidizing properties:	none	none

9.2. Other information

* When ready-to-use, the preparation is a thick paste for which the pH value is 9-10

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

When properly stored and used the product is stable

10.3. Possibility of hazardous reactions

Reactions with acids. In the presence of moisture, it reacts with light metals and generates hydrogen.

10.4 Conditions to avoid

Temperature of use 5-25°C Protect against cold, heat and direct sunlight. Protect against moisture and strong acids. Reacts with water and hardens.

10.5 Incompatible materials

Powdered aluminum.

10.6 Hazardous decomposition products

No hazardous reactions or decomposition products appear if used properly

SECTION 11: Toxicological information

General information

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11.1 Information on toxicological effects

Acute toxicity

not specified for this mixture

Substance	Test	Value	Exposure routes	Species
Mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one	LD 50	200–1000 mg/kg	dermal	rat
and	LD 50	550 mg/kg	oral	rat
2-methyl-2H-isothiazolin-3-one (3:1)	LC 50	0,31 mg/l	inhalation	rat

Calcium hydroxide [1305-62-0]:

Calcium hydroxide is not a substance characterized by high toxicity.

Oral LD50 > 2000 mg / kg of body weight (OECD 425, rats);

Leather LD50 > 2500 mg / kg of body weight (OECD 402, rabbits);

Inhalation: no data available

Caustic / irritating effect

The product may cause skin/eye irritation to susceptible individuals, following exposure

Inhalation: Short-term exposure causes irritation of the nose, throat and lungs.

Skin contact: In individual cases, irritation, redness, and dry skin may occur.

Eye contact: Irritation, burning, redness and tearing may occur.

Sensitizing effect

May cause an allergic skin reaction.

Repeated dose toxicity

Repeated exposure of the skin to a mixture of cement and water may cause burns. The effect of the irritating mixture is increased in the event of exposure to dry and cracked skin. Chronic exposure to cement may cause numerous conditions, among which the most frequent ones were: chronic inflammation of the mucous membranes of the nose, throat and larynx, bronchial asthma, pneumoconiosis and emphysema.

Carcinogenic, mutagenic, reprotoxic activity

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

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Symptoms and effects of exposure

Inhaled – no data available

Ingested – may cause irritation and vomiting if swallowed

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

The product is not classified as dangerous for the environment. The product is difficult to biodegrade. The product contains ingredients that can cause strong water turbidity. Following the discharge of a larger amount of the product into water, it may be harmful to aquatic organisms due to the alkaline nature and increase in the pH of waters.

12.1 Toxicity to aquatic organisms

Substance	Test	Value	Exposure	Species
Mixture of 5-chloro-2-methyl-2H-isothiazolin-3-one	LC 50	0,19 mg/l	96 h	fish
	CE 50	0,16 mg/l	48 h	invertebrate
and				
2-methyl-2H-isothiazolin-3-one (3:1)	LC 50	0,027 mg/l	72 h	algae

12.2 Persistence and degradability

Mixture 5-chloro-2-methyl-2H-isothiazolin-3-one [EC: 247-500-7] and 2-methyl-2H-isothiazolin-3-one [EC: 220-239-6] (3:1) (CAS: 55965-84-9):

OECD 301 D Closed Bottle test: biodegradation > 60% (sewage organisms) (OECD 301 D), S 200, fast degradation/elimination

12.3 Bioaccumulative potential

No grounds for bio accumulation because of physical and chemical properties

Octanol / water partition coefficient K_{ow} : - no data for the mixture

Bioconcentration factor (BCF): no data for the mixture

12.4 Mobility in soil No data available.**12.5 Results of PBT and vPvB assessment**

The product does not meet PBT or vPvB criteria.

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12.6 Other adverse effects No data.

SECTION 13: Disposal considerations

General information

If possible, reduce or eliminate waste generation.

Observe the precautionary measures set out in sections 7 and 8.

13.1 Waste treatment methods

Waste classification: appropriate for the place of manufacture on the basis of the criteria set in the regulations in force (Ordinance of the Minister of Environment of 9 December 2014 on the catalog of waste, Official Journal of 2014, No. 0, item 1923)

If the product has been used in any further operations/processes, the end user should define the resulting waste and assign the correct code. The detailed waste code depends on the place and the use of the product.

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

10 13 82 defective products

Handling of the waste product

Small amounts may be placed on landfills in accordance with existing local provisions. Bigger amounts of dry or hardened product should be disposed in accordance with the recommendations of competent authorities. Methods of waste disposal should be agreed on with the relevant Environmental Protection Department. Large amounts of waste product should be disposed in accordance with existing provisions. (Act of 14 December 2012 on waste (Official Journal of 2013 item 21 with later amendments)

Handling of packaging waste

Packaging waste should be disposed in accordance with existing provisions

15 01 02 - plastic packaging

15 01 04 - metal packaging

15 01 01 - paper and cardboard packaging

SECTION 14: Transport information

The product is not classified as a material dangerous to transport.

ATTENTION: The product must be protected against moisture and weather conditions and secured so as to prevent displacement due to the movement of the means of transport

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14.1 UN number – not classified as a dangerous material

14.2 UN proper shipping name – not classified as a dangerous material

14.3 Transport hazard class(es) – not classified as a dangerous material

14.4 Packing group – not classified as a dangerous material

14.5 Environmental hazards – not classified as a dangerous material

14.6 Special precautions for user – not classified as a dangerous material

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

– not classified as a dangerous material

Additional information for land transport (RID, ADR)

Road and rail transport - ADR / RID

Not classified as hazardous material.

Sea transport - IMDG

Not classified as hazardous material.

Air transport - ICAO / IATA

Not classified as hazardous material

SECTION 15: Regulatory information

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

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on registration, assessment, authorization and restriction of chemicals (REACH) and establishment 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 Directive Regulations 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC, as amended.

2) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, the labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No. 1907/2006 (EU Official Journal L 353 of 31.12.2008 of amended).

3) Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorization and use restrictions on chemicals (REACH).

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- 4) The Act of February 25, 2011 on chemical substances and their mixtures (unified text, OJ 2011 No.63 item 322).
- 5) Ordinance of the Minister of Health of 20 April 2012 on the labeling of packaging of dangerous substances and dangerous mixtures and certain mixtures (Dz.U.2012 No. 0 item 445, as amended).
- 6) Regulation of the Minister of Health of 10 August 2012 on the criteria and method of classification of chemical substances and their mixtures (Dz.U.2012 No. 0, item 1018, as amended).
- 7) Regulation of the Minister of Labor and Social Policy of June 6, 2014 on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Dz.U.2014 No. 0 item 817).
- 8) Ordinance of the Minister of Health of December 30, 2004 on occupational health and safety related to the presence of chemical agents in the workplace (Official Journal 2005 No. 11 item 86, as amended).
- 9) Ordinance of the Minister of Economy of December 21, 2005 regarding essential requirements for personal protective equipment (Official Journal of 2005 No. 259, item 2173).
- 10) Regulation of the Minister of Health of February 2, 2011 on testing and measurements of agents harmful to health in the work environment (Official Journal of 2011, No. 33, item 166).
- 11) Act of 19 August 2011 on the transport of dangerous goods (Official Journal of 2011 No. 227 item 1367, as amended).
12. Government Declaration of 26 July 2005 on the entry into force of amendments to Annexes A and B to the European Agreement concerning the international carriage of non-safe goods by road (ADR) drawn up in Geneva on September 30, 1957 (Official Journal of 2005 no. 178, item 1481, as amended).
- 13) Act of 14 December 2012 on waste (Official Journal of 2013 item 21 with later amendments).
- 14) Act of 13 June 2013 on the management of packaging and packaging waste (Official Journal of 2013 No. 0, item 888).
- 15) Ordinance of the Minister of Environment of 9 December 2014 on the waste catalog (Official Journal of 2014 No. 0, item 1923).

15.2 Chemical safety assessment

Not carried out for the mixture



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SECTION 16: Other information

Contents of hazard statements from section 3 of the safety data sheet:

Acute Tox. 3 Acute toxicity, category 3

Skin Corr. 1B - Corrosive / irritating to skin, category 1B

Skin. Sens. 1 Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, category acute 1

Aquatic Chronic 1 Hazardous to the aquatic environment, category chronic 1

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

H331 Toxic if inhaled.

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long-lasting effects

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Meanings of the abbreviations listed in the Data Sheet

TLV – Threshold limit value at the workplace - maximum permissible weighted averages concentration, whose impact on employee during the 8-hour working time, throughout his period of professional activity, should not cause changes in his health condition and the health of the future generations

STEL – Short-term exposure limit

CL - Permissible ceiling exposure limit

SVHC - substances of very high concern

vPvB (Substance) Very persistent and very bioaccumulative

PBT (Substance) Persistent, bioaccumulative, and toxic

DL50 - deadly dose - the dose at which death of 50% of the tested animals is observed in a given time period

CL50 - lethal concentration - concentration at which death of 50% of tested animals is observed within a specified time interval

CE50 - Effective concentration - effective concentration of substances causing a reaction at the level of 50% of the maximum value

BCF - Bioconcentration factor (biostilance) - the ratio of the concentration of a substance in the body to its concentration in water in a state of equilibrium

ADR - European agreement concerning the international carriage of dangerous goods by road (Agreement on Dangerous Goods by Road)

RID - Regulations on the International Carriage of Dangerous Goods by Rail (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG - International Maritime Dangerous Goods Code

IATA - International Air Transport Association

CAS - the number assigned to a chemical in the Chemical Abstracts Service list

WE - reference number used in the European Union to identify dangerous substances, in particular those registered in the European Inventory of Existing Chemical Substances (EINECS), or in the European List of Notified Chemical Substances (ELINCS) or the list of chemicals listed in No-longer polymers

UN number - a four-figure material identification number in the UN list of dangerous materials, derived from the UN Model Regulations, to which the individual material, mixture or object is classified.

The information contained in the Data Sheet should be regarded only as an aid to the safe use as well as in transport, distribution and storage. It is not a testimony to the quality of the product. The information contained in this Sheet applies only to the product named above and cannot be transferred to other products or this product in combinations with other materials or different uses. It is the responsibility of the user to assess and use the product described in a safe manner and in accordance with the applicable laws and regulations. The user has a responsibility to ensure that this information is suitable and complete for his specialized use of the product. This card does not release the user of the product from compliance with all legal, administrative and health and safety regulations relating to the product.