

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

KERAMON PASTA

Creation date	30th September 2014	Version	4
Revision date	19th December 2022		

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

1.1. Product identifier KERAMON PASTA
Substance / mixture mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against
Mixture's intended use

High temperature grease

The use descriptors

PW Widespread use by professional workers

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315

Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

The mixture may show high alkalinity. Dangerous reaction in contact with acids. Imperfect thermal decomposition at high temperatures may release dangerous gases. Avoid inhalation decomposition products.

Most serious adverse effects on human health and the environment

The mixture has strong irritating effects on the eyes, in exceptional cases it can cause eye irritation up to damage (tearing, burning, itching, conjunctivitis, reversible damage). Irritating to the skin (redness, itching, burning). Ingestion may cause nausea and abdominal pain. Ensure against confusion with drinks and foodstuffs. The mixture is not classified as dangerous for the environment. Follow the instructions for use to have avoided risks to humans and the environment. Prevent leakage into soil, ground water or surface water or sewage. A large leakage of the mixture can cause a change in the pH of the environmental components. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.

Precautionary statements

P264 Wash hands and exposed parts of the body thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 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 or doctor.

2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors, nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 1305-62-0 EC: 215-137-3	calcium-dihydroxide	10-20	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Skin Irrit. 2, H315: C ≥ 10 % STOT SE 3, H335: C ≥ 10 %	1

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of exposure, in case of suspected exposure or in case of symptoms of health problems, seek medical advice and provide him with the information from this safety data sheet. When providing first aid, ensure the safety of the rescuer and the rescued. In case of life-threatening conditions, perform resuscitation. Avoid catching cold. Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus.

If inhaled

Stop exposure immediately, rinse mouth with water, breathe fresh air. If clothing is affected, remove clothing. Keep the victim calm and protect against catching cold. If necessary (respiratory arrest or irregular breathing), perform artificial respiration. If respiratory tract irritation occurs, seek medical attention.

If on skin

Wipe off the product, wash thoroughly with water and soap and treat with a regenerating cream. If clothing becomes contaminated, remove clothing. If symptoms of irritation appear and persist, seek medical attention.

If in eyes

Rinse the eyes and their surroundings. If the victim wears contact lenses, remove them. With the eyes wide open, flush from the inner corner of the eye towards the outer with a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 min., seek medical treatment. Wash the eyes also during transport to the doctor.

If swallowed

Do not induce vomiting. Rinse your mouth with water and drink 2 glasses of water. Seek medical attention immediately and present this safety data sheet.

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

If inhaled

not available

If on skin

It irritates the skin (redness, itching, burning).

If in eyes

The mixture has strong irritating effects on the eyes, in exceptional cases it can even cause damage (watering, burning, itching, conjunctivitis, reversible damage) when rubbed directly into the eyes.

If swallowed

Vomiting and diarrhea may occur if the liquid is ingested.

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

Při obvyklém použití směsi není okamžitá lékařská pomoc nutná. Zvláštní ošetření se požaduje v případě, dosáhnou-li příznaky určitého stupně, podle údajů v odstavcích 4.1 a 4.2; je symptomatické.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, foam, water, water mist.

Unsuitable extinguishing media

Full stream of water.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures and during burning may release dangerous decomposition products (CO, CO₂, SO₂, etc.). Do not inhale decomposition products.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and a protective suit during firefighting and rescue work. Do not inhale decomposition products. Remove packaging from fire if you can do so without risk. Combustion residues and water after intervention should be disposed of as hazardous waste.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the entry of unauthorized persons, mark, secure and isolate the escape area. Avoid contact with skin and eyes - use personal protective equipment. Danger of slipping on leaked mixture.

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6.2. Environmental precautions

Secure the area of the leak, catch the leaking mixture. Prevent leakage into sewers, soil, surface and groundwater by creating retention lagoons. In the event of a large leak, monitor the concentrations of NPK or TLV and inform the relevant state authorities and the stream or sewer manager.

6.3. Methods and material for containment and cleaning up

In the event of a spill, pick up mechanically using personal protective equipment, store the used one in a closable waste container and dispose of it as hazardous waste. Wash the contaminated area.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure sufficient ventilation of the work area. Protect eyes and skin, use personal protective equipment according to sec. 8. The work area should be equipped with a source of drinking water. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash your hands with warm soapy water before breaks, meals and after work.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed in original packaging at normal room temperature. Store away from heat sources, do not smoke. Store away from food, drink and feed. Store away from strong acids and oxidizing agents. The warehouse should be equipped with a source of drinking water.

Content	Packaging type	Material of package
500 ml	can / tin	PP

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

European Union

Commission Directive (EU) 2017/164

Substance name (component)	Type	Value	Note
calcium-dihydroxide (CAS: 1305-62-0)	OEL 8 hours	1 mg/m ³	Respirable fraction.
	OEL 15 minutes	4 mg/m ³	

DNEL

calcium-dihydroxide					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1 mg/m ³	Chronic effects local		
Workers	Inhalation	4 mg/m ³	Acute effects local		

PNEC

calcium-dihydroxide			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	3 mg/l		
Freshwater environment	0.49 mg/l		
Marine water	0.32 mg/l		
Soil (agricultural)	1080 mg/kg		

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8.2. Exposure controls

Avoid contact with skin and eyes, do not inhale the sprayed mixture or vapors. Avoid exposure. Observe hygienic measures for working with chemicals. The work area should be equipped with sources of drinking water. Do not eat, drink or smoke while working. Wash your hands with lukewarm water and soap before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Tight safety glasses

Skin protection

Protective work clothing. Wash affected skin, remove contaminated clothing, wash before further use. Protective gloves (material, e.g.: nitrile 0.4 mm, penetration time > 480 min. Make sure to observe the recommended penetration time of the glove material.) When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test at a specific workplace before first use. Replace damaged gloves.

Respiratory protection

Not necessary. Use a half mask with an organic vapor filter when exposure limits are exceeded or in a poorly ventilated environment. In the event of an accident or long-term exposure, use self-contained breathing apparatus.

Thermal hazard

Undetermined. Avoid heating the mixture and exposure to elevated temperatures.

Environmental exposure controls

Prevent leakage into sewers, soil, underground and surface water. Observe the usual environmental protection measures.

More information

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	without fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	The product is non-flammable.
Lower and upper explosion limit	data not available
Flash point	>200 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

The mixture is not self-igniting.
Density and/or relative density (at 20 °C): 1225 kg/m³.
VOC content: Does not contain VOCs.

Explosive properties: The mixture does not show explosive properties.

Oxidizing properties: The mixture is not classified as oxidizing.

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SECTION 10: Stability and reactivity

10.1. Reactivity

If the recommended method of use is followed, there is no risk of dangerous reactions.

10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

10.3. Possibility of hazardous reactions

Contact with strong acids or oxidizing agents may cause a dangerous reaction.

10.4. Conditions to avoid

Exposure to high temperatures, heating.

10.5. Incompatible materials

Strong acids and oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Thermal decomposition at high temperatures produces toxic combustion products: COx, SOx, H2S, etc.

SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

Acute toxicity

The mixture is not classified as harmful to health by any route of exposure.

calcium-dihydroxide

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	7340 mg/kg		Rat	

Skin corrosion/irritation

The mixture is classified as skin irritant, category 2, skin irritant.

Serious eye damage/irritation

The mixture is classified as harmful to eyes, category 1. Causes serious eye damage.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on the available data, the classification criteria are not met. The mixture contains a component classified as toxic for specific target organs, category 3, in the amount for the specified concentration limit. Not likely given the form of the mixture.

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Toxicity for specific target organ - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. The mixture has strong irritating effects on the eyes, in exceptional cases it can even cause damage (watering, burning, itching, conjunctivitis, reversible damage) upon direct contact with the eyes. It irritates the skin (redness, itching, burning) and mucous membranes. Ingestion may cause vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

Acute toxicity

calcium-dihydroxide				
Parameter	Value	Exposure time	Species	Environment
LC50	160 mg/l	96 hours	Fish (Gambusia affinis)	

12.2. Persistence and degradability

Data not available.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

12.7. Other adverse effects

Avoid release to soil, ground or surface water or sewers. Observe the usual environmental protection measures.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as hazardous waste, hand over for disposal to a person authorized to handle hazardous substances or to a hazardous waste collection yard. Treat contaminated packaging as you would your own hazardous mixture. Do not pour the unused product down the drain or dispose of it together with municipal waste. Dispose of mixture and packaging residues in accordance with local waste disposal regulations.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Act No. 477/2001 Coll., On Packaging, as amended.

Waste type code

- 06 02 01 calcium hydroxide *
- 07 06 99 wastes not otherwise specified

Packaging waste type code

- 15 01 10 packaging containing residues of or contaminated by hazardous substances *
- (*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not available

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

SECTION 15: Regulatory information

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

Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Guidelines for safe handling used in the safety data sheet

P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
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 or doctor.

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Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Eye Dam.	Serious eye damage
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended. Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.



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The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.

