

Relax

Version number: 2.0

Date of compilation: 2024-11-26

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

1.1. Product identifier

Product name: Relax

UFI: P600-604U-000N-5078

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

Relevant identified uses

Release agent

Industrial use.

Commercial use.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Klasse 4 Dental GmbH
Bismarckstr. 21
D-86159 Augsburg
Germany

Telephone: +49 821 608914-0 Telefax: +49 821 608914-10
e-mail (competent person) info@klasse4.de

1.4. Emergency telephone number

+49 (0)30 19240 (Giftinformationszentrale Berlin)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317 (Skin sensitization, Category 1, H317)

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Pictograms



GHS 07

Signal word

Warning

Hazard statements

H317 May cause allergic skin reactions.

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Precautionary statements

P102	Keep out of reach of children.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P363	Take off contaminated clothing. Wash contaminated clothing before reuse.
P501	Dispose of contents/container to hazardous waste disposal.

Hazard-determining components of labeling:

Contains reaction mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No. 220-239-6]

2.3. Other hazards

Particular risk of slipping due to leaking/spilled product.

According to the information provided in the supply chain: The product does not contain any components that are subject to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more with endocrine disrupting properties.

PBT assessment

According to information submitted in the supply chain: The product does not contain components with > 0.1% that are considered PBT.

vPvB assessment

According to the information provided in the supply chain: The product does not contain components with > 0.1% that are considered vPvB.

SECTION 3: Composition/information on ingredients

3.1. Product type

Not applicable.

3.2. Mixture

Description of the mixture

Aqueous solution of the following substances with non-hazardous additives.

Hazardous components:

CAS-No.: 55965-84-9 Index-No.: 613-167-00-5	Reaction mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No. 220-239-6] Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10) Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0,6 % Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 % Eye Dam. 1; H318: C ≥ 0,6 % Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1A; H317: C ≥ 0,0015 %	0,00166 %
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SVHC

The product does not contain SVHC substances in concentrations ≥ 0.1% (w/w).

Additional information:

The wording of the listed hazard statements can be found in section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Remove contaminated clothing.

After inhalation:

Provide fresh air.

If symptoms occur or in case of doubt, seek medical advice.

After skin contact:

Wash skin with water/shower.

Remove contaminated clothing and wash before reuse.

If symptoms occur or in case of doubt, seek medical advice.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove any contact lenses if possible. Continue rinsing.

If symptoms occur or persist, consult an ophthalmologist.

After swallowing:

Rinse mouth immediately and drink plenty of water. Do not induce vomiting.

Never give anything by mouth to an unconscious person. If

symptoms occur or in case of doubt, seek medical advice.

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

After inhalation: No further relevant information available.

After skin contact: May cause allergic skin reactions.

After eye contact: No further relevant information available.

After ingestion: No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Adapt extinguishing measures to the surroundings.

Water spray jet, foam, dry extinguishing powder, carbon dioxide.

Unsuitable extinguishing media:

Full jet of water

5.2. Special hazards arising from the substance or mixture

In the event of fire, hazardous combustion gases and vapors may be produced.

The following can also be produced: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for firefighters

Use self-contained breathing apparatus.

Additional information:

Cool endangered containers with water spray.

Prevent extinguishing water from entering surface water or groundwater.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale mist/vapor/aerosol. Avoid contact with eyes and skin.
Do not eat, drink or smoke when using.
Ensure adequate ventilation.
Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow to enter drains/surface water/groundwater.

6.3. Methods and materials for containment and cleaning up

Advice on how to prevent spilled materials from spreading

Covering the drains.

Advice on how to clean up in the event of spillage

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder).

Further information on spillage and release

Place in suitable containers for disposal. Ventilate the affected area.

Additional information:

Particular risk of slipping due to leaking/spilled product.

6.4. Reference to other sections

Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation of storage area and workplace.
Do not inhale mist/vapor/aerosol.
Avoid contact with eyes and skin.
Wear suitable protective equipment.

Advice on general hygiene at the workplace

Wash hands before breaks and at the end of work.
Keep away from food, drink and animal feed.
Do not smoke at work.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store in a dry place.
Protect against: Direct exposure to light. Decomposition possible with prolonged exposure to light.

Information about storage in one common storage facility:

Observe storage instructions.

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Ventilation requirements

Use of local and general ventilation.

Storage of hazardous substances in portable containers (TRGS 510) (Germany)

12 Non-flammable liquids that cannot be assigned to any of the other LGKs

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limits.

Values relevant for human health

Relevant DNELs and other threshold values

No data available.

Relevant values for the environment Relevant PNEC and other threshold values

No data available.

8.2. Exposure controls

Individual protective measures (personal protective equipment) Eye/face protection

Use safety goggles with side protection in accordance with EN 166.

Skin protection Hand protection

Wear suitable protective gloves.

A chemical protective glove tested in accordance with EN 374 is suitable.

It is recommended to check the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer. with the glove manufacturer.

Increased temperatures due to heated substances, body heat, etc. and a reduction in the effective layer thickness due to stretching can lead to a considerable reduction in breakthrough time.

If in doubt, contact the manufacturer.

The data only apply to the pure substance.

When transferred to substance mixtures, they should only be regarded as a guide.

Other protective measures

Allow recovery periods for skin regeneration.

Preventive skin protection (protective creams/ointments) is recommended.

Respiratory protection

Respiratory protection is required in case of: Aerosol or mist formation.

Limiting and monitoring environmental exposure

Prevent from entering the sewage system or surface and ground water.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	white
Odor	odorless
Melting point/freezing point	approx. 0 °C
Boiling point or initial boiling point and boiling range	approx. 100 °C
Flammability	Not applicable
Lower and upper explosion limit	Not determined
Flash point	Not applicable
Ignition temperature	Not determined
Decomposition temperature	Not determined
pH value	Not determined
Viscosity	
dynamic	No data available.
kinematic	No data available.
Solubility(ies)	
Water solubility	Miscible in any proportion
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	Not determined
Density and/or relative density	
Density	approx. 1 g/cm ³ at 20 °C
Relative density	Not determined
Relative vapor density	Not determined
Particle properties	not relevant (liquid)

9.2. Other information

Information with regard to physical hazard classes	No additional information available
Other safety characteristics	No additional information available

Information on physical hazard classes	
Explosive substances/mixtures and articles containing explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidizing gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures which, in contact with water, emit flammable gases	Not applicable
Oxidizing liquids	Not applicable
Oxidizing solids	Not applicable
Organic peroxides	Not applicable
Organic peroxides	Not applicable
Substances and mixtures corrosive to metals	Not applicable
Desensitized substances/mixtures and articles containing explosives	Not applicable

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SECTION 10: Stability and reactivity

10.1. Reactivity

This material is not reactive under normal environmental conditions.

10.2. Chemical stability

The material is stable under normal ambient conditions and under the temperature and pressure conditions temperature and pressure conditions expected during storage and handling.

10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled according to instructions.

10.4. Conditions to avoid

No additional information is available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Product:

The statements are derived from the properties of the individual components.

No toxicological data are available for the product as such.

Acute toxicity (oral): No data available.

Acute toxicity (dermal): Lack of data. Acute toxicity (inhalation): Lack of data.

Skin corrosion/irritation Product:

Is not to be classified as skin corrosive/irritant.

Serious eye damage/irritation Product:

Not classified.

Respiratory or skin sensitisation Product:

Skin:

May cause an allergic skin reaction.

Germ cell mutagenicity Product:

Is not to be classified as germ cell mutagenic (mutagenic).

Carcinogenicity Product:

Is not to be classified as carcinogenic.

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Reproductive toxicity Product:

Is not to be classified as toxic for reproduction.

Specific target organ toxicity (single exposure)

Is not to be classified as specific target organ toxicant (single exposure).

Specific target organ toxicity (repeated exposure)

Is not to be classified as specific target organ toxicant (repeated exposure).

Aspiration hazard

Is not classified as an aspiration hazard.

11.2 Information on other hazards

Adverse health effects caused by endocrine disrupting properties

According to the information provided in the supply chain: The product does not contain components that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more with endocrine disrupting properties.

Other information

No additional information is available.

SECTION 12: Ecological information

12.1 Toxicity

According to 1272/2008/EC:

Not to be classified as hazardous to the aquatic environment.

Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV):

WGK 1, slightly hazardous to water (Germany)

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components in concentrations equal to or greater than 0.1% that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

According to the information provided in the supply chain: The product does not contain any components that are subject to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more with endocrine disrupting properties.

12.7. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

This product and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Information relevant for disposal via waste water

Do not discharge into drains.

Waste treatment of containers/packaging

This is a hazardous waste; only approved packaging (e.g. according to ADR) may be used.

Relevant legislation on waste

The assignment of waste code numbers/waste designations must be carried out in accordance with EAKV on an industry and process-specific. Waste Catalogue Ordinance (The AVV replaces the EWC Ordinance/European Waste Catalog Ordinance).

Notes

Waste must be separated in such a way that it can be treated separately by the municipal or national waste disposal facilities. can be treated separately. Please observe the relevant national or regional regulations.

SECTION 14: Transport information

14.1. UN number or ID number (not subject to transport regulations)

14.2. Proper shipping name not assigned

14.3. Transport hazard classes None

14.4. Packaging group not assigned

14.5. Environmental hazards not hazardous to the environment according to dangerous goods regulations

14.6. Special precautions for the user

No additional information is available.

14.7. Transport of bulk goods by sea in accordance with IMO instruments

The freight is not transported in bulk.

14.8. Information according to the individual UN model regulations

Transportation of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) Additional information

Not subject to ADR, RID and ADN regulations.

International Maritime Dangerous Goods Code (IMDG) Additional information

Not subject to IMDG regulations.

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Not subject to ICAO-IATA regulations.

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ABSCHNITT 15: Rechtsvorschriften

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII Restricted substances (REACH, Annex XVII)

None of the ingredients are included.

Seveso Directive 2012/18/EU (Seveso III)

None of the ingredients are included.

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

None of the ingredients are included.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are included.

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

None of the ingredients are included.

Regulation 98/2013/EU on the marketing and use of explosives precursors explosives

None of the ingredients are included.

Ordinance on drug precursors

None of the ingredients are included.

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

None of the ingredients are included.

Regulation 649/2012/EU concerning the export and import of dangerous chemicals (PIC)

None of the ingredients are included.

Regulation on persistent organic pollutants (POP)

None of the ingredients are included.

National regulations (Germany)

Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV):

WGK 1, slightly hazardous to water (Germany)
(self-classification)

Storage of hazardous substances in transportable packaging (TRGS 510) (Germany)

12 Non-flammable liquids that cannot be assigned to any of the other LGKs

Other information

Directive 94/33/EC on the protection of young people at work.

Employment restrictions in accordance with the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers must be observed.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

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ABSCHNITT 16: Sonstige Angaben

The information in this safety data sheet is correct to the best of our knowledge, information and belief at the date of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Data sources used to compile the data sheet:

Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures. Packaging) of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA) (regulations for the transportation of dangerous goods by air).

Full text of H- and EUH-phrases listed in section 2 and 3.

Code	Text
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Sens.	Skin sensitization

Methods for evaluating information for the purpose of classification:

The classification is based on the available information on the substance/mixture.

The evaluation of the information relates to the form/state in which the substance/mixture is placed on the market and is likely to be used.

Skin sensitization

Calculation method

Training instructions (Germany):

Instruction on hazards and protective measures based on the operating instructions (TRGS 555).

The instructions must be given before the start of employment and at least once a year thereafter.

Reasons for changes:

Editorial changes

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Abbreviations and acronyms

Abbreviation	Descriptions of the abbreviations used
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Convention concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging (Classification, Labelling and Packaging) of Substances and Mixtures
DGR	Dangerous Goods Regulations
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %
EG-Nr.	The EC inventory (EINECS, ELINCS and the NLP inventory) is the source for the seven-digit EC-number as the identification number for substances in the EU (European Union).
EINECS	European Inventory of Existing Commercial Chemical Substances (europäisches Verzeichnis der auf dem Markt vorhandenen chemischen Stoffe)
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals"
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
IMDG	International Maritime Dangerous Goods Code
INDEX-Nr.	The index number is the identification code given in Part 3 of Annex VI to Regulation (EC) No 1272/2008 identification code
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
LGK	Storage class according to TRGS 510, Germany
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)
SVHC	Substance of Very High Concern
TRGS	Technical Rules for Hazardous Substances (Germany)
vPvB	Very Persistent and very Bioaccumulative