

lumina

3D printing resin for fabrication of dental spacers

# Safety Data Sheet

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## 1. Description of the substance or mixture and the company

1.1. Product identifier: Additive plastic

**1.2 Application:** Methacrylate-based resin 3D printing systems with 385 nm or 405 nm light sources for fabrication of dental spacers.

**1.2 Manufacturer:** dentona AG

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**1.4 Emergency number:** Germany: +49 30 30686700

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Sweden: 08-331231 (Måndag-Fredag; 9.00-17.00, 112 24h) UK: 0844 892 0111 (UK only, Monday to Friday, 08.00-18.00)

#### 2. Potential hazards

#### **2.1 Classification of substance or mixture** according to Regulation (EC) No. 1272/2008:

Skin irrit.	Cat. 2	H315
Skin sens	Cat. 1	H317
Eye irrit.	Cat. 2	H318
Aquatic chronic	Cat. 2	H411

# **2.2.** Identifying elements according to Regulation (EC) No. 1272/2008: Symbols and signal word of product







Signal word: hazard

## Hazard warnings:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects

## Safety Tips:

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash contaminated skin thoroughly after handling.
P270	Do not eat, drink or smoke when using.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P301+P312	BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM / Arzt anrufen
P302+P352	IF ON SKIN: Wash with plenty of water.
P310	Call a POISON CENTER / doctor immediately
P321	Specific treatment (see medical advice on this label)
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove any existing contact lenses if
	possible. Continue rinsing.
P330	Rinse out mouth
P332+P313	If skin irritation occurs: Get medical advice / assistance.
P362+P364	Take off contaminated clothing and wash it before reuse
P391	Collect spillage.
P501	Dispose of contents / container in accordance with local regulations.

## 2.3 Other hazards:

Substances with classification Rep. 2 (H361), which are used in low concentrations of 1.5-2% w / w and are converted during the polymerization of the uncured products, the toxicological and reprotoxicological risk for the end product is to be assessed as low. According to the REACH regulation, last amended on 01.01.2020) with the reference to point 3.7.3. In Annex I of Regulation (EC) No. 1272/2008, these properties of reprotoxicity category 2 must be from a concentration greater or equal 3% must be stated on the label and in section 2.2 of the safety data sheet!

## 3. Composition / information on ingredients

#### 3.1 Substances

This product is a mixture

#### 3.2 Mixtures

Composition / information on ingredients

Reagent	Percentage	EC No.: CAS No. REACH Registration No.	Classification according to Regulation (EC) No. 1272/2008	Hazard class ar category
Aliphatic difuctional methacrylate	< 40	Company secret	H317 H411	Skin Sens 1B Aquatic 2 Chronic
Aliphatic urethane Acrylate	< 10	Company secret	-	-
2-Propenoic acid, reaction products with pentaerythritol	< 5	Company secret	H302 H315 H318 H317 H411	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens 1 Aquatic 2 Chronic
Cristobalitmehl	< 20	Company secret		or materials processed e no longer powdery b
2,2'-ethylenedioxydiethyl dimethacrylate	< 10	Company secret	H317	Skin Sens 1
Siliziumdioxid	< 6	Company secret		substance or mixturation (EC) No. 1772/200
diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide	< 2	Company secret	H317 H361 H411	Skin Sens 1B Rep 2 Aquatic 2 Chronic.

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## 4. First aid measures

## 4.1 Description of first aid measures

**General information:** Immediately remove stained and soaked clothing. In all cases of doubt of if symptoms are present, seek medical advice.

If consciousness is lost, place in the recovery position and seek medical advice.

**After inhalation:** Ensure that there is fresh air. If the product irritates the respiratory tract: Consult a doctor.

After contact with skin: Wash out and rinse with plenty of soap and water.

**After contact with eyes:** In the event of contact with the eyes, remove contact lenses and immediately rinse with running water for 10-15 minutes while keeping the eyes open, and see an eye specialist.

**After swallowing:** Never administer something orally to an unconscious person or someone who is experiencing cramps. Consult a doctor immediately. Prevent vomiting.

## 4.2 The most significant acute and delayed occurring symptoms and impact

**Skin contact:** May cause an allergic skin reaction.

Eye Contact: Can cause serious eye damage

## 4.3 Information about emergency medical aid or special treatment

Note for the physician: Treat symptomatically

## 5. Fire-fighting procedures

#### 5.1. Solvents

Suitable solvents: Water spray, foam, dry fire extinguisher or carbon dioxide.

Unsuitable solvents: Do not use a water jet as an extinguishing agent, as this will cause the fire to spread.

## 5.2. Particular hazards arising from substance or mixture

**Hazardous decomposition products:** Thermal decomposition or combustion products may contain the following substances: Carbon oxides.

#### 5.3. Information for fire-fighting:

**Safety precautions during fire-fighting:** No actions should be taken without appropriate training or which are associated with personal risk.

**Particular protective equipment for fire-fighters:** Wear self-contained breathing apparatuses (SCBA) and suitable protective clothing.

#### 6. Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** At work, wear suitable protective clothing, including gloves, safety goggles / face guard, respiratory protection, boots, or other clothing or an apron as appropriate.

Suitable respiratory protection in the event of inadequate ventilation.

#### 6.2. Environmental protection measures

Environmental protection measures to prevent discharge into the environment.

### 6.3. Methods and material for retention and cleaning

**Methods for cleaning**: No smoking, sparks, flames or other ignition sources near spillages. Bind leaked material with sand or another inert absorbent. Collect it and fill a suitable disposal bin, then seal securely. Containers with collected spilled material must have the correct hazard labeling. Spillages must be collected and disposed of in accordance with the information in Section 13.

### 6.4. Reference to other sections

Reference to other sections: For information on personal protective equipment, see Section 8. Section 13 contains information about waste disposal.

## 7. Handling and storage

#### 7.1. Safety precautions for safe handling

Safety precautions during use: Avoid contact with the eyes and skin. Wash contaminated skin thoroughly after handling. The hands and all contaminated parts of the body must be washed with soap and water before leaving the factory premises. Keep away from heat, sparks and open flame. Mechanical suction is required if dust is discharged during handling. Open and handle containers with care. At work, wear suitable safety equipment in the event of longer exposure and / or high concentrations of vapors, spray or mist.

## General work hygiene measures

When using the product, do not eat, drink or smoke.

# 7.2. Conditions for safe storage, taking cases of incompatibility into account Safety precautions for storage

Store in a cool and dry place in a tightly sealed original container.

Store at temperatures between 5°C and 30°C. Keep away from frost and direct sunlight. Keep away from hot surfaces, sparks, open flames and other types of ignition sources. Do not smoke.

## 7.3. Specific end uses

## Intended end use(s)

The intended uses of this product are described in Section 1.2.

## 8. Limitation and monitoring of exposure/personal protective equipment

## 8.1 Parameters to be monitored:

No maximum allowable concentration(s) is/are known for the ingredient(s).

# 8.2 Limitation and monitoring of exposure Protective equipment





#### Suitable technical controller:

Adequate room ventilation and local aspiration must be ensured. The maximum allowable concentration of the product or ingredients must be observed.

## Eye/face protection:

Eye protection corresponding to a recognized standard should be worn if a risk assessment shows that eye contact is possible. The following personal protective clothing should be worn: Chemical safety goggles. Wear close-fitting chemical safety goggles or face protection.

## Hand protection:

Wear protective gloves. In accordance with the data specified by the protective glove manufacturers, it is required while using them to check whether the gloves maintain their repellent properties and to change them as soon as damage is detected. In the case of exposure up to 8 hours, protective gloves made of the following material must be worn: Nitrile rubber.

#### Other skin and personal protection:

Avoid contact with the skin. Wear suitable clothing to prevent possible skin contact.

#### Hygiene measures:

Wash contaminated skin thoroughly after handling. Before removing the clothing, wash contaminated clothing and skin immediately with plenty of water. Immediately remove all contaminated garments and wash before wearing them again. Contaminated work clothing should not be allowed out of the workplace. When using the product, do not eat, drink or smoke.

#### Respiratory protection:

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a protective mask with full face protection and the following filter cartridge: Filter against organic vapors. Highly effective particle filters.

## 9. Physical and chemical properties

## 9.1 Information about the fundamental physical and chemical properties

	Value	Unit
Appearance	Liquid	
Odor	Ester	
Color	Various tooth colors	
Melting point	Not determined	
Initial boiling point and boiling	Not determined	
range		
Flash point	> 150	°C
Inflammability (solid, gaseous)	Not determined	
Upper/lower inflammability or	Not determined	
explosion limits		
Vapor pressure	Not determined	
Relative density	1.1	g/cm³
Solubility	Insoluble in water	
Soluble in most organic solvents		
Viscosity	Approx. 700-1200	Pa s
рН	Not determined	

## 9.2 Other information

## 10. Stability and reactivity

## 10.1 Reactivity

Reactivity: No information is available

## 10.2 Chemical stability

**Stability:** Stable at normal room temperatures

## 10.3 Possible hazardous reactions

Possible hazardous reactions May polymerize

#### 10.4 Conditions to be avoided

**Incompatible conditions:** Reaction with light, risk of polymerization. Keep away from heat, flames and other ignition sources. Do not expose to high temperatures or direct sunlight. Avoid contact with strong oxidizers

## 10.5 Incompatible materials

**Incompatible materials** Keep away from radical-forming initiators, peroxides, strongly alkaline substances and reactive metals to prevent exothermic polymerization reactions.

## 10.6 Hazardous decomposition products

Hazardous decomposition products: Carbon oxides

## 11. Toxicological information

## 11.1 Information about toxicological effects

)
>5000 mg/kg, oral, rat
>2000 mg/kg, dermal, rat
No information available
Does not cause irritation
Does not cause irritation
No information available
Sensitizing
Bacterial reverse mutation test: Negative.
No information available
Fertility - NOAEL, 1000 mg/kg KG/day, oral, rat P
STOT - repeated exposure NOAEL 100
mg/kg KG/day, oral, rat
540 mg/kg, oral, rat
1250,0 mg/kg
>2000 mg/kg, dermal, rabbit
No information is available.
May cause skin irritation.
May cause severe eye irritation.
No information available
Non-sensitizing

Course cell results are initially from the state of the state of	Cana mutatian Nagativa	
Germ cell mutagenicity / genotoxicity - in vitro	Gene mutation: Negative.	
Carcinogenicity Reproductive toxicity - fertility	NOAEL 1.5 mg/kg, dermal, mouse Fertility: - NOAEL 200 mg/kg/d, oral,	
Reproductive toxicity - Tertility	rat P	
Reproductive toxicity - Development	Embryotoxicity: - NOAEL: 75 mg/kg	
Reproductive toxicity - Development	KG/day, oral, rabbit	
Specific target organ toxicity (repeated exposure)	NOAEL 25 mg/kg KG/day, oral, rat	
specific target organ toxicity (repeated exposure)	NOALL 23 Hig/kg KG/day, Oral, rat	
2-Propenoic acid, reaction products with p	entagnythrital (at 100%)	
	540 mg/kg, oral, rat	
Acute toxicity – oral LD <sub>50</sub> Estimated acute oral toxicity	500,0 mg/kg	
	>2000 mg/kg, dermal, rabbit	
Acute toxicity – dermal LD <sub>50</sub>	No information is available.	
Acute toxicity – inhalative LC <sub>50</sub> Caustic/irritant effect on the skin	May cause skin irritation	
Severe eye damage/irritation		
Respiratory tract sensitization	May cause eye irritation  No information available	
Skin sensitization	Not sensitizing	
Germ cell mutagenicity / genotoxicity - in vitro	Gene mutation: Negative.	
Carcinogenicity	NOAEL 1,5 mg/kg, dermal, mouse	
Reproductive toxicity - fertility	NOAEL 200 mg/kg/d oral, rat	
Reproductive toxicity - Tertifity  Reproductive toxicity - Development	NOAEL: 75 mg/kg KG/Tag, Oral, rabbit	
Specific target organ toxicity (repeated exposure)	NOAEL 25 mg/kg KG/Tag, Oral, rat	
Specific target organ toxicity (repeated exposure)	NONEL 23 HIG/NG NO/ Tag, Oldi, Tat	
2,2'-ethylenedioxydiethyl dimethacrylate (	at 100%)	
Acute toxicity – oral LD <sub>50</sub>	Keine Informationen verfügbar	
Acute toxicity – dermal LD <sub>50</sub>	>2000 mg/kg, dermal, Maus	
Acute toxicity – dermar ED <sub>50</sub> Acute toxicity – inhalative LC <sub>50</sub>	Keine Informationen verfügbar	
Caustic/irritant effect on the skin	Not irritating	
Severe eye damage/irritation	Not irritating  Not irritating	
Respiratory tract sensitization	No information is available.	
Skin sensitization	sensitizing	
Germ cell mutagenicity / genotoxicity - in vitro	negativ	
Carcinogenicity	No evidence of carcinogenicity in	
caremogementy	animal experiments	
Reproductive toxicity - fertility	NOAEL 1000 mg/kg KG/Tag, oral, rat P	
Reproductive toxicity - Development	NOAEL 1000 mg/kg KG/Tag, oral, rat	
Specific target organ toxicity (repeated exposure)	NOAEL 1000 mg/kg KG/Tag, oral, rat	
	NOAEL 1000 mg/kg KG/Tag, dermal,	
	mouse	
Siliziumdioxid (at 100%)		
Acute toxicity – oral LD <sub>50</sub>	>5000 mg/Kg	
Acute toxicity – dermal LD <sub>50</sub>	0,139 mg/l/4h (comparable product)	
Acute toxicity – inhalative LC <sub>50</sub>	>5000 mg/Kg comparable product)	
Caustic/irritant effect on the skin	Not irritating	
Severe eye damage/irritation	Not irritating	
Respiratory tract sensitization	No information available	
Skin sensitization	Not known	
Germ cell mutagenicity / genotoxicity - in vitro	negative	
Carcinogenicity	No evidence of a carcinogenic effect	
Reproductive toxicity - fertility	No evidence of reprotoxic properties.	
Reproductive toxicity - Development	NOAEL 1000 mg/kg KG/Tag, oral, rat	
Specific target organ toxicity (repeated exposure)	Silicosis or other product-specific	
	properties of the respiratory tract	
	were not observed when handling the	
	product	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (at 100 %)		
Acute toxicity – oral LD <sub>50</sub>	>5000 mg/Kg rat	
Acute toxicity – inhalative LC <sub>50</sub>	-	
Acute toxicity – dermal LD <sub>50</sub>	>2000 mg/Kg rat	

24h dermal, rabbit,
tating
g / 5d eye, rabbit,
tating
est 429 local lymph node test,
, mouse
ring
est 471 reverse mutation test
acteria, in-vitro, negative
Test 473 Test for chromosome
tions in mammalian cells - in
re
on the available data, the
for classification are not met
alue considered relevant and
est No. 414: Study to examine
natal developmental toxicity,
pmental toxicity: NOAL 150 mg
dy weight / day
Test No. 421: Screening Test for
luctive / Developmental
, Rat
luctive toxicity: NOAL 60 mg/
y weight / day
est No. 421: Screening Test for
luctive / Developmental
/, Rat
pmental toxicity: NOAL 200 mg
dy weight / day
est No. 421: Screening Test for
luctive / Developmental
, Rat
al: NOAL 200 mg / kg body
/ day
Repr. 2
on the available data, the
for classification are not met.
est 408: 90 day tox study with
ed oral administration to
s - oral, rat
S - Orai, rat

## The following applies to Christobalith flour:

No classification for material processed in resins, as it is no longer powdery but liquid.

## 12 Environment-related information

## 12.1 Toxicity

Aliphatic difunctional methacrylate (at 100%)		
Acute toxicity - fish	LC50, 96 hours: 10.1 mg/l, Brachydanio rerio (zebrafish)	
Acute toxicity - invertebrate aquatic animals	EC₅o, 48 hours: >1.2 mg/l, Daphnia magna	
Acute toxicity - aquatic plants	NOEC, 72 hours: 0.21 mg/l, Desmodesmus subspicatus	
Acute toxicity - microorganisms	NOEC, 14 days: >=36.1 mg/l, activated sludge	

2-Propenoic acid, reaction produc	ts with pentaerythritol (at 100%)
Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 3.2mg/L mg/l, fish
Acute toxicity - invertebrate aquatic animals	EC <sub>50</sub> , 48 hours: 13mg/L mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 96 Stunden: 0.31 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC <sub>so</sub> , 3 Stunden: 100 mg/l, activated sludge
2.2' ethylenedioxydiethyl dimetha	crylate (at 100%)
Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 16.4 mg/l, Brachydanio rerio (zebrafish)
Acute toxicity - invertebrate aquatic animals	EC <sub>50</sub> , 21 days: 51.9 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>80</sub> , 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata
Siliziumdioxid (at 100%)	
Acute toxicity - fish	LC₅o, 96 hours: 10000 mg/l, Brachydanio rerio (Zebrafish)
Acute toxicity - invertebrate aquatic animals	EC <sub>50</sub> , 24 hours: 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	No information available
Diphenyl(2,4,6-trimethylbenzoyl)p	hosphine oxide (at 100%)
Acute toxicity - fish	LC <sub>50</sub> , 48 hours: 6.53 mg/l, Oryzias latipes
Acute toxicity - invertebrate aquatic animals	EC <sub>50</sub> , 48 hours: 3,53 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours: > 2,01 mg/l, Pseudokirchneriella subcapitata EC <sub>10</sub> , 72 hours: > 1,56 mg/l, Pseudokirchneriella subcapitata

## 12.2. Persistence and degradability

The product is not easily biodegradable.

## 12.3. Bioaccumulation potential

Aliphatic difunctional methacrylate (at 100%)		
Distribution coefficient	log Kow: 3.39	
2-Propenoic acid, reaction products with pentaerythritol (at 100%)		
Bioaccumulation potential	No bioaccumulation data are available.	
Distribution coefficient	log Kow: 1.69	
2.2' ethylenedioxydiethyl dimethacrylate (at 100%)		
Distribution coefficient	log Kow: 2.3	
Siliziumdioxid (at 100%)		
Bioaccumulation	Not to be expected	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (at 100%)		
Distribution coefficient	Log Pow: 3,1	
Bioconcentration Factor (BFC)	18-72	

# 12.4 Mobility on the ground

Aliphatic difunctional methacrylate (at 100%)		
Adsorption / desorption	Calculation - Koc: 4516 @ 20°C	
coefficient		
2-Propenoic acid, reaction products with pentaerythritol (at 100%)		
Adsorption / desorption	Not determined	
coefficient		

2.2' ethylenedioxydiethyl dimethacrylate (at 100%)		
Adsorption / desorption	No information available	
coefficient		
Siliziumdioxid (at 100%)		
mobility	Significant mobility in the soil is not to be	
	expected.	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (at 100%)		
Henry constant	0 Pa m³/mol @ 25°C	
Absorption coefficient	Log Koc = 784.8	

## 12.5 Results of PBT and vPvB assessment

Aliphatic difunctional methac	rylate (at 100%)	
According to the criteria of the REA	CH regulation, no PBT or vPvB substance.	
2-Propenoic acid, reaction products with pentaerythritol (at 100%)		
According to the criteria of the REACH regulation, no PBT or vPvB substance.		
2.2' ethylenedioxydiethyl dimethacrylate (at 100%)		
According to the criteria of the REACH regulation, no PBT or vPvB substance.		
Siliziumdioxid (at 100%)		
According to the criteria of the REACH regulation, no PBT or vPvB substance.		
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (at 100%)		
According to the criteria of the REA	CH regulation, no PBT or vPvB substance.	

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## 13. Disposal instructions

## 13.1 Procedure for waste disposal

## Proper disposal/product

Disposal in accordance with regulatory requirements.

## Proper disposal/packaging

May be disposed of in accordance with local regulatory requirements.

## **Ecology - waste materials**

Avoid discharge into the environment

## 14. Transport information

#### 14.1 UN No.

none

## 14.2 Proper UN shipping name

none

#### 14.3 Transport hazard classes

No dangerous goods pursuant to transportation regulations.

## 14.4 Packaging group

none

#### 14.5 Environmental hazards

none

## 14.6 Special precautions for transport

none

# 14.7 Bulk transport in accordance with Annex II of the MARPOL Convention 73/79 pursuant to IBC Code No

## 15. Legal regulations

15.1. Regulations on safety, health and environmental protection/specific laws for the substance or mixture

## **EU regulations**

Information about Regulation (EC) No. 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

irrelevant

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer:

irrelevant

Regulation (EC) No. 648/2004 on detergents:

irrelevant

Regulation (EC) No. 850/2004 [POP regulation]:

irrelevant

# Regulation (EU) No. 649/2012 concerning the import and export of hazardous chemicals:

irrelevant

#### Restriction on use in accordance with REACH Annex XVII No.:

irrelevant

## National regulations

National regulations must also be observed.

## Instructions on employment restriction:

No information is available.

## Major Accidents Ordinance

Not subject to the German Major Accidents Ordinance.

## Solvent Ordinance (31st Federal Immission Protection Ordinance [BlmSchV]):

irrelevant

## Storage class

10-13 Other flammable and non-flammable substances.

## Water hazard class (WHC)

1 slightly hazardous to water (WHC 1)

## **Technical Instructions on Air Quality Control (TA-Luft)**

Not subject to the Technical Instructions on Air Quality Control.

## Other regulations, restrictions and prohibition ordinances

None

## 15.2. Chemical safety assessment

A chemical safety assessment was carried out for this preparation.

Chemical safety assessments were not carried out for substances in this mixture.

#### 16. Other information

## Text of H and P phrases (number and full text)

H302	Harmful if swallowed	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H411	Toxic to aquatic life with long lasting effects	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray	
P264	Wash contaminated skin thoroughly after handling.	
P270	Do not eat, drink or smoke when using.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P273	Avoid release to the environment	
P280	Wear protective gloves / protective clothing / eye protection / face protection.	
P301+P312	BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM / Arzt anrufen	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P310	Call a POISON CENTER / doctor immediately	
P321	Specific treatment (see medical advice on this label)	
P305+P351+P3	IF IN EYES: Rinse cautiously with water for several minutes. Remove any existing contact lenses if	
	possible. Continue rinsing.	
P330	Rinse out mouth	
P332+P313	If skin irritation occurs: Get medical advice / assistance.	
P362+P364	Take off contaminated clothing and wash it before reuse	
P391	Collect spillage.	
P501	Dispose of contents / container in accordance with local regulations.	

#### Training tips

None

## Recommended restriction(s) on use:

No special measures are required.

#### Data sources:

REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, 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.

#### Further information:

REJECTION OF LIABILITY We have obtained the information in this data sheet from sources that we consider reliable. The accuracy of expressed or implied information cannot be guaranteed. The conditions or methods for handling, storage, use or disposal of the product are beyond our control and possibly also our knowledge. For these and other reasons, we accept no responsibility and expressly reject liability for any losses, damage or costs that may arise from handling, storage, use or disposal of the product or that may be associated therewith in any way. This Safety Data Sheet was created for this product and may only be used for this product. If the product is used as a component of another product, the information indicated in the data sheet may not apply.

This information is based on our current knowledge and should only describe the product with regard to health, safety and environmental conditions. It must therefore not be

construed as a guarantee for any specific property of the product.