



Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

1 Identification of the substance or mixture and of the supplier

- · Product identifier
- · Trade name: Essentia Masking_Liner
- · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the mixture Auxillary for dental technology
- · Details of the supplier of the safety data sheet Henry Schein Dental

243-249 Bush Road, Rosedale Auckland 0632, NEW ZEALAND

Free Phone: 0800 808 855

· Further information obtainable from: Regulatory affairs

· Emergency telephone number: 0800 764 766 (National Poisons Centre)

2 Hazards identification

· Classification of the substance or mixture

Skin sensitisation Category 1 H317 May cause an allergic skin reaction. Reproductive toxicity Category 1 H360 May damage fertility or the unborn child.

Specific target organ toxicity - repeated exposure

H373 May cause damage to the lung through Category 2 prolonged or repeated exposure. Route of exposure: Inhalation.

Hazardous to the aquatic environment chronic Category 3H412 Harmful to aquatic life with long lasting effects.

- · Label elements
- · GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- · Exemptions

The product, regulated as an invasive medical device by the Regulation (EC) 2017/745, is exempted from labelling requirements for substances and mixtures (according to the provision of the Art 1.5).

· Hazard pictograms





GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labelling:

Urethane Dimethacrylate (UDMA) diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica

2,2'-ethylenedioxydiethyl dimethacrylate

· Hazard statements

May cause an allergic skin reaction.

(Contd. on page 2)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

(Contd. of page 1)

May damage fertility or the unborn child.

May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation. Harmful to aquatic life with long lasting effects.

· Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition/Information on ingredients

- · Chemical characterisation: Mixtures
- · Description:

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

Dangerous compone	ents:	
CAS: 72869-86-4	Urethane Dimethacrylate (UDMA)	10-<25%
EINECS: 276-957-5	Hazardous to the aquatic environment chronic Category 2, H411; Skin sensitisation Sub-category 1B, H317	
CAS: 41637-38-1	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid.	5-<10%
	Hazardous to the aquatic environment chronic Category 4, H413	
CAS: 109-16-0	2,2'-ethylenedioxydiethyl dimethacrylate	5-<10%
EINECS: 203-652-6	Skin sensitisation Sub-category 1B, H317	
CAS: 68909-20-6 EINECS: 272-697-1	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	1-<2.5%
	Specific target organ toxicity - repeated exposure Category 2, H373	0.5 .10/
CAS: 1309-37-1 EINECS: 215-168-2	Iron(III)oxide	0.5-<1%
CAS: 1879-09-0	6-tert-butyl-2,4-xylenol	0.5-<1%
EINECS: 217-533-1	Acute dermal toxicity Category 2, H310; Specific target organ toxicity - repeated exposure Category 2, H373; Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Eye irritation Category 2, H319	
CAS: 2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol	0.5-<1%
EINECS: 219-470-5	Acute inhalation toxicity Category 3, H331; Skin sensitisation Category 1, H317	
CAS: 9003-08-1	1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde	0.5-<1%
	Serious eye damage Category 1, H318; Skin sensitisation Category 1, H317; Specific target organ toxicity - single exposure Category 3, H335	
CAS: 13463-67-7	titanium dioxide	0.5-<1%
EINECS: 236-675-5	Carcinogenicity – Category 2, H351	
CAS: 75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	0.5-<1%
EINECS: 278-355-8	Reproductive toxicity Category 1, H360; Skin sensitisation Sub-category 1B, H317	

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia Masking Liner

(Contd. of page 2)

·SVHC

75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

· Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· General information:

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

If symptoms persist consult doctor.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air and keep quiet.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed Allergic reactions
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire fighting measures

- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water
- · Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

No further relevant information available.

- · Protective equipment: Wear self-contained respiratory protective device.
- · Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Avoid contact with the eyes and skin.

Wear protective clothing.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

(Contd. on page 4)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

(Contd. of page 3)

Methods and material for containment and cleaning up:

Absorb liquid components with liquid-binding material.

Dispose of the material collected according to regulations.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with the eyes and skin.

- · Information about fire and explosion protection: Protect against electrostatic charges.
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions: None.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data: see section 7.

· Aaaitionai injormatio	· Additional information about design of technical faculties: No further data; see section 7.		
· Ingredients with limit	· Ingredients with limit values that require monitoring at the workplace:		
1309-37-1 Iron(III)o:	xide		
WES (New Zealand)	Long-term value: 5 mg/m³		
	as Fe, w		
13463-67-7 titanium	13463-67-7 titanium dioxide		
WES (New Zealand)	WES (New Zealand) Long-term value: 10 mg/m³		
i	interim WES		
· DNELs	· DNELs		
1879-09-0 6-tert-butyl-2,4-xylenol			
Inhalative DNEL inh	Inhalative DNEL inhalation 0.14 mg/m3 (man)		
13463-67-7 titanium	13463-67-7 titanium dioxide		

- · Additional information: The lists valid during the making were used as basis.
- · Personal protective equipment:
- General protective and hygienic measures:

Inhalative DNEL inhalation 10 mg/m3 (man)

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Store protective clothing separately.

· Respiratory protection: Suitable respiratory protective device recommended.

(Contd. on page 5)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia Masking Liner

(Contd. of page 4)

Protection of hands:



· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eve protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information

· Appearance:

· Form: Pasty

· Colour: According to product specification

Odour:
Odour threshold:
pH-value:
Odourless
Not determined.
Not determined.

· Change in condition

Melting point/freezing point:
 Initial boiling point and boiling range:
 Undetermined.
 Flash point:
 Flammability (solid, gas):
 Auto-ignition temperature:
 Decomposition temperature:
 Not determined.
 Not determined.

• Ignition temperature: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Laptosion times.

Lower:

Upper:
Not determined.

Vapour pressure:
Not determined.

· Solubility in / Miscibility with

• water: Fully miscible. • Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

• Dynamic: Not determined. • Kinematic: Not determined.

(Contd. on page 6)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

		(Contd. of page 5)
· Solvent content: · VOC (EC)	$0.0~\mathrm{g/l}$	
Other information	No further relevant information available.	

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 1	· LD/LC50 values relevant for classification:	
72869-86-4	4 Urethane	e Dimethacrylate (UDMA)
Oral	LD50	>5,000 mg/kg (rat female) (OECD 401)
1309-37-1	1309-37-1 Iron(III)oxide	
Oral	LD50	>5,000 mg/kg (rat (f+m))
1879-09-0	6-tert-buty	vl-2,4-xylenol
Oral	LD50	910 mg/kg (rat (f+m)) (OECD 401)
Dermal	LD50	<200 mg/kg (rabbit) (OECD 402)
2440-22-4	2440-22-4 2-(2H-benzotriazol-2-yl)-p-cresol	
Oral	LD50	10,000 mg/kg (rat (f+m))
Inhalative	LC50/4 h	0.59 mg/l (rat (f+m))
13463-67-7 titanium dioxide		
Oral	LD50	>5,000 mg/kg (mouse) (OECD 420)
Inhalative	LC50/4 h	>6.82 mg/l (rat male)

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · 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 May damage fertility or the unborn child.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure
- May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- Repeated dose toxicity May cause damage to organs through prolonged or repeated exposure.

(Contd. on page 7)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

(Contd. of page 6)

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
No further relevant information available.

12 Ecological information

- · Toxicity
- · Aquatic toxicity:

72869-86-4 Urethane Dimethacrylate (UDMA)

EC50/48h (static) >1.2 mg/l (daphnia magna) (OECD 202)

- · Persistence and degradability No further relevant information available.
- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

UN-Number		
NZS, ADN, IMDG, IATA	not regulated	
UN proper shipping name		
NZS, ADN, IMDG, IATA	not regulated	
Transport hazard class(es)		
NZS, ADN, IMDG, IATA		
Class	not regulated	
Packing group		
NZS, IMDG, IATA	not regulated	
Environmental hazards:		
Marine pollutant:	No	

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

		(Contd. of page 7)
· Special precautions for user	Not applicable.	
· Transport in bulk according to Annex II and the IBC Code	I of Marpol Not applicable.	
· UN "Model Regulation":	not regulated	

15 Regulatory information

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

· New Zealand Inventory of Chemicals	
65997-17-3	Glass, oxide, chemicals
72869-86-4	Urethane Dimethacrylate (UDMA)
41637-38-1	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid.
2530-85-0	3-trimethoxysilylpropyl methacrylate
109-16-0	2,2'-ethylenedioxydiethyl dimethacrylate
68909-20-6	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica
1309-37-1	Iron(III)oxide
1309-38-2	Iron (II,III) oxide
1879-09-0	6-tert-butyl-2,4-xylenol
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol
7128-64-5	2,5-Thiophendiylbis(5-tert-butyl-1,3-benzoxazol)
9003-08-1	1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde
10287-53-3	ethyl 4-dimethylaminobenzoate
10373-78-1	Camphorquinone
13463-67-7	titanium dioxide
20344-49-4	Iron hydroxide oxide
68611-44-9	Silane, dichlorodimethyl-, reaction products with silica
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

· HSNO Approval numbers

1879-09-0 6-tert-butyl-2,4-xylenol

HSR003625

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- · Hazard pictograms





GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labelling:

Urethane Dimethacrylate (UDMA)

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica

2,2'-ethylenedioxydiethyl dimethacrylate

(Contd. on page 9)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia_Masking_Liner

(Contd. of page 8)

· Hazard statements

May cause an allergic skin reaction.

May damage fertility or the unborn child.

May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

Harmful to aquatic life with long lasting effects.

· Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57

75980-60-8 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

· Relevant phrases

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

· Department issuing SDS: Regulatory affairs

· Contact: msds@gc.dental

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

(Contd. on page 10)

Printing date 06.08.2024 Version number 6 Revision: 06.08.2024

Trade name: Essentia Masking Liner

(Contd. of page 9)

Acute oral toxicity Category 4: Acute toxicity – Category 4
Acute dermal toxicity Category 2: Acute toxicity – Category 2
Acute inhalation toxicity Category 3: Acute toxicity – Category 3
Skin irritation Category 2: Skin corrosion/irritation – Category 2
Serious eye damage Category 1: Serious eye damage/eye irritation – Category 1
Eye irritation Category 2: Serious eye damage/eye irritation – Category 2
Skin sensitisation Category 1: Skin sensitisation – Category 1
Skin sensitisation Sub-category 1B: Skin sensitisation – Category 1B
Carcinogenicity – Category 2: Carcinogenicity – Category 2
Reproductive toxicity Category 1: Reproductive toxicity – Category 1
Specific target organ toxicity – single exposure Category 3: Specific target organ

Specific target organ toxicity - single exposure Category 3: Specific target organ toxicity (single exposure) - Category 3 Specific target organ toxicity - repeated exposure Category 2: Specific target organ toxicity (repeated exposure) - Category 2

Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Hazardous to the aquatic environment chronic Category 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

Hazardous to the aquatic environment chronic Category 3: Hazardous to the aquatic environment - long-term aquatic hazard — Category 4: Hazardous to the aquatic environment - long-term aquatic hazard — Category 4

· Sources

- ECHA (http://echa.europa.eu/)
- EnviChem (www.echemportal.org)
- * Data compared to the previous version altered.

This version replaces all previous versions.

Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is also subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.

NIZ