

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

LuxaPrint Ortho Comfort NX TRA 385

UFI: 33NC-WG0P-6UGG-VF4C

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

for dental use only

Uses advised against

pregnant or breastfeeding people should not work with hazardous substances

1.3. Details of the supplier of the safety data sheet

Company name: DMG Digital Enterprises SE
 Street: Elbgastrasse 248
 Place: D-22547 Hamburg
 Telephone: +49 40 84006-0
 E-mail: info@dmg-digital.com
 Contact person: A. Brunner
 Internet: www.dmg-digital.com
 Responsible Department: Quality Management

Telefax: +49 40 84006-222

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 Skin Sens. 1; H317
 STOT SE 3; H335
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate
 Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate
 Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

Signal word: Warning**Pictograms:****Hazard statements**

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing and eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

50 - < 55 per cent of the mixture consists of component(s) of unknown acute toxicity (dermal).
 50 - < 55 per cent of the mixture consists of component(s) of unknown acute toxicity (inhalation).

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 2 of 10

Contains 50 - < 55 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate			30 - < 35 %
	231-403-1		01-2119886505-27	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 3; H315 H319 H335 H412			
2143103-44-8	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate			10 - < 15 %
	944-336-4		01-2120266262-60	
	Skin Sens. 1, Aquatic Chronic 3; H317 H412			
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate			1 - < 5 %
	282-810-6		01-2119987994-10	
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7534-94-3	231-403-1	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	30 - < 35 %
	dermal: LD50 = >3000 mg/kg; oral: LD50 = 3100 mg/kg		
2143103-44-8	944-336-4	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate	10 - < 15 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg		
84434-11-7	282-810-6	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	1 - < 5 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Medical treatment necessary.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 3 of 10

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	
79-41-4	Methacrylic acid	20	70		TWA (8 h)	
		40	140		STEL (15 min)	

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate			
Worker DNEL, long-term		dermal	systemic	1,04 mg/kg bw/day
79-41-4	methacrylic acid; 2-methylpropenoic acid			
Worker DNEL, long-term		dermal	systemic	4,25 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	29,6 mg/m ³
128-37-0	2,6-Di-tert-butyl-4-methylphenol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 4 of 10

PNEC values

CAS No	Substance	
Environmental compartment		Value
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	
Freshwater		0,00466 mg/l
Freshwater (intermittent releases)		0,0179 mg/l
Marine water		0,000466 mg/l
Freshwater sediment		0,604 mg/kg
Marine sediment		0,06 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,45 mg/l
Soil		0,118 mg/kg
2143103-44-8	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate	
Freshwater		0,016 mg/l
Marine water		0,002 mg/l
Freshwater sediment		2,992 mg/kg
Marine sediment		0,299 mg/kg
Micro-organisms in sewage treatment plants (STP)		10,18 mg/l
Soil		0,589 mg/kg
79-41-4	methacrylic acid; 2-methylpropenoic acid	
Freshwater		0,82 mg/l
Freshwater (intermittent releases)		0,82 mg/l
Marine water		0,82 mg/l
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		1,2 mg/kg
128-37-0	2,6-Di-tert-butyl-4-methylphenol	
Freshwater		0,000199 mg/l
Freshwater (intermittent releases)		0,00199 mg/l
Marine water		0,000199 mg/l
Freshwater sediment		0,0996 mg/kg
Marine sediment		0,00996 mg/kg
Soil		0,04769 mg/kg

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 5 of 10

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	transparent	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents	not determined	
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density:		not determined
Relative vapour density:		not determined
Particle characteristics:		not applicable

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 6 of 10

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate				
	oral	LD50 3100 mg/kg	Rat	supplier SDS	
	dermal	LD50 >3000 mg/kg	Rabbit	supplier SDS/ ECHA	
2143103-44-8	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate				
	oral	LD50 >5000 mg/kg	Rat	supplier SDS	OECD 401
	dermal	LD50 >2000 mg/kg	Rat	ECHA	
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate				
	oral	LD50 > 5000 mg/kg	Rat	MSDS	OECD 401
	dermal	LD50 > 2000 mg/kg	Rat	MSDS	OECD 402

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate; Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate)

Carcinogenic/mutagenic/toxic effects for reproduction

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.

STOT-single exposure

May cause respiratory irritation. (Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate)

STOT-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**Other information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate					
	Acute fish toxicity	LC50	1,79 mg/l	96 h	Danio rerio (zebrafish)	supplier SDS
	Acute algae toxicity	ErC50	2,28 mg/l	72 h	Pseudokirchneriella subcapitata	supplier SDS
	Acute crustacea toxicity	EC50	>2,57 mg/l	48 h	Daphnia magna (Big water flea)	ECHA
	Crustacea toxicity	NOEC	0,233 mg/l	21 d	Daphnia magna (Big water flea)	supplier SDS
2143103-44-8	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate					
	Acute fish toxicity	LC50	18 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	supplier SDS
	Acute algae toxicity	ErC50	>25,4 mg/l		Pseudokirchneriella subcapitata	supplier SDS
	Acute crustacea toxicity	EC50	15,9 mg/l	48 h	Daphnia magna (Big water flea)	supplier SDS

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate			
	OECD 310	70%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7534-94-3	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	5,09
2143103-44-8	Reaction product of 2,2'-oxydiethanol and 2-hydroxyethyl acrylate and 2-hydroxyethyl methacrylate and hexan-6-olide and trimethylhexa-1,6-diyl diisocyanate	3,35-3,76

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 8 of 10

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to Directive
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work
protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

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

SECTION 16: Other information**Abbreviations and acronyms**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 9 of 10

Skin Irrit. 2: Skin irritation, hazard category 2
 Eye Irrit. 2: Eye irritation, hazard category 2
 Skin Sens. 1: Skin sensitisation, hazard category 1
 STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 EC/EEC: European Community/European Economic Community
 EU: European Union
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 M-factor: Multiplying factor
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 DGR: Dangerous Goods Regulations
 ICAO: International Civil Aviation Organization
 TI: Technical Instructions
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Comfort NX TRA 385

Revision: 11.02.2025

Product code: G000079

Page 10 of 10

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)