

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

Revision date: 03/27/2025

M-PRINT TryIn

Product code: TryInn

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1. Identification**Product identifier**

M-PRINT TryIn

Recommended use of the chemical and restrictions on use**Details of the supplier of the safety data sheet**

Company name:	Merz Dental GmbH	
Street:	Kieferweg 1	
Place:	D-24321 Luetjenburg (GERMANY)	
Telephone:	+49-(0)4381-403-0	Telefax: +49-(0)4381-403-100
E-mail:	info@merz-dental.de	
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Internet:	www.merz-dental.de	
Responsible Department:	Qualitaetssicherung (Quality Assurance)	

Emergency phone number: +49-(0)551-19240 (Giftinformationszentrum-Nord, Göttingen) 24h / 7d**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

Causes skin irritation and serious eye irritation
May cause an allergic skin reaction

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves and eye protection/face protection.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Dispose of contents/container to an appropriate recycling or disposal facility.

Hazards not otherwise classified

Danger of polymerisation

3. Composition/information on ingredients

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Mixtures**Relevant ingredients**

CAS No	Components	Quantity
	Aliphatic diurethane dimethacrylate	66.72 %
97-90-5	ethylene dimethacrylate	7.41 %
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	5 %
63225-53-6	2-[[[(butylamino)carbonyl]oxy]ethyl acrylate	3.87 %
84434-11-7	ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	1.89 %
52408-84-1	propoxylated glycerol triacrylate	0.83 %
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide	0.76 %

4. First-aid measures**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. Take off immediately all contaminated clothing and wash it before reuse.

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

Rinse mouth immediately and drink 1 glass of water.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

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

Specific hazards arising from the chemical

Non-flammable.

Special protective equipment and precautions for fire-fighters

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

Additional information

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

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

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

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Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

No special measures are necessary.

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.

Further information on handling

Sensitivity to light (photosensitive).

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Sensitivity to light (photosensitive). Keep container tightly closed. none UV-radiation/sunlight. Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Avoid high temperatures or direct sunlight.

Hints on joint storage

No special measures are necessary.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10	TWA (8 h)	REL
150-76-5	4-Methoxyphenol	-	5	TWA (8 h)	REL

Exposure controls



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

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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.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: Liquid
Color:

Melting point/freezing point:
Boiling point or initial boiling point and
boiling range:
Flammability:
Flash point:
Auto-ignition temperature:
Solubility in other solvents
not determined

Partition coefficient n-octanol/water:
Density:
Relative vapour density:
Particle characteristics:

	Test method
not determined	
258 °C	EEC A.2 / table 2.6.4
not applicable	
132 °C	ASTM D 7094:2018-02
not determined	
not determined	
1,093 g/cm ³	DIN 51757:2011-01
not determined	
not determined	

Other information**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Solid content:

0

Further Information

Kinematic viscosity : 1200 ± 150 mPas ISO 3219

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Incompatible materials

No information available.

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information**Information on toxicological effects**

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Acute toxicity

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

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
	Aliphatic diurethane dimethacrylate				
	oral	LD50 > 5000 mg/kg	Rat oral	REACH Dossier	OECD 401
97-90-5	ethylene dimethacrylate				
	oral	LD50 8700 mg/kg	Rat	ECHA Dossier	FDA (1959)
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol				
	oral	LD50 11200 mg/kg	Rat	Supplier	-
	dermal	LD50 > 5000 mg/kg	Rabbit	Supplier	-
63225-53-6	2-[[[(butylamino)carbonyl]oxy]ethyl acrylate				
	oral	LD50 > 2000 mg/kg	Rat oral	Lieferant	OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit oral	Lieferant	OECD 402
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
84434-11-7	ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate				
	oral	LD50 >5000 mg/kg	rat (male / female)	study report 1982	OECD 401
	dermal	LD50 >=2000 mg/kg	rat (male / female)	study report 2013	OECD 402
	inhalation vapour	LC50 no mortality mg/l	rat (male / female)	study report 1982	OECD 403
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide				
	oral	LD50 > 2000 mg/kg	Rat	Supplier	OECD 401
	dermal	LD50 > 2000 mg/kg	Rat	Supplier	OECD 402

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation

Sensitizing effects

May cause an allergic skin reaction (Aliphatic diurethane dimethacrylate; ethylene dimethacrylate; Methacrylic acid, monoester with propane-1,2-diol; 2-[[[(butylamino)carbonyl]oxy]ethyl acrylate; ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate; propoxylated glycerol triacrylate; phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide; mequinol; 4-methoxyphenol; hydroquinone monomethyl ether)

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.

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Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (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.

12. Ecological information**Persistence and degradability**

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Endocrine disrupting properties

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

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.

13. Disposal considerations**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.

14. Transport information**U.S. DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No dangerous good in sense of this transport regulation.

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

Aliphatic diurethane dimethacrylate (-): Immediate (acute) health hazard
ethylene dimethacrylate (97-90-5): Immediate (acute) health hazard
Methacrylic acid, monoester with propane-1,2-diol (27813-02-1): Immediate (acute) health hazard
2-[[[butylamino)carbonyl]oxy]ethyl acrylate (63225-53-6): Immediate (acute) health hazard
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7): Immediate (acute) health hazard
propoxylated glycerol triacrylate (52408-84-1): Immediate (acute) health hazard
phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide (162881-26-7): Immediate (acute) health hazard
mequinol; 4-methoxyphenol; hydroquinone monomethyl ether (150-76-5): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 03/27/2025

Revision No: 1

This data sheet contains changes from the previous version in section(s): 2,3,9,11.

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Abbreviations and acronyms

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: Multiplication 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
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
intérieures)
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
VOC: volatile organic compound
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).

Key literature references and sources for data

supplier (manufacturer/importer/downstream user/distributor)
ECHA

Other data

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.

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