

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Combitray CC Monomer

Revision date: 29.01.2018

Product code: Combitray_CC_Mono

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

1.1. Product identifier

Combitray CC Monomer

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

Use of the substance/mixture

The product is intended for professional use.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name:	Merz Dental GmbH	
Street:	Kieferweg 1	
Place:	D-24321 Lütjenburg (GERMANY)	
Telephone:	+49-(0)4381-403-0	Telefax: +49-(0)4381-403-100
e-mail:	info@merz-dental.de	
Contact person:	Dipl. Chem Dr. Thomas Panther	Telephone: +49-(0)4381-403-448
e-mail:	Thomas.Panther@merz-dental.de	
Internet:	www.merz-dental.de	
Responsible Department:	Qualitätssicherung (Quality Assurance)	

1.4. Emergency telephone

+49-(0)551-19240 (Giftinformationszentrum-Nord)

number:

Further Information

none

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause respiratory irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

isobutyl methacrylate

Silikonacrylat

Signal word: Danger

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Pictograms:**Hazard statements**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of waste according to applicable legislation.

Additional advice on labelling

Ausnahme von Artikel 17 (Artikel 29 Absatz 2)]: Kennzeichnung von Verpackungen bei einem Inhalt von < 125 ml Hazard statements
 H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.

2.3. Other hazards

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.

SECTION 3: Composition/information on ingredients

3.2. Mixtures**Chemical characterization**

METHYL METHACRYLATE

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			50 - < 100 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
97-86-9	isobutyl methacrylate			5 - < 50 %
	202-613-0	607-113-00-X		
	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1; H226 H319 H335 H315 H317 H400			
125455-52-9	Silikonacrylat			5 - < 50 %
	Skin Sens. 1B; H317			
2082-81-7	1,4-butandiol dimethacrylate			1 - < 5 %
	Skin Sens. 1B; H317			

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

Further Information

none

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice/attention.

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 polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.

After ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Causes skin and eye irritation. Drowsiness, Headache, Skin sensitisation.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), Foam, Extinguishing powder.

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Unsuitable extinguishing media

Water.

5.2. Special hazards arising from the substance or mixture

Flammable.. Vapours can form explosive mixtures with air. Hazardous decomposition products, Carbon dioxide (CO₂), Carbon monoxide

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. 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 uncontrolled discharge of product into the environment. Do not allow to enter into surface water or drains. Danger of explosion

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. 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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Keep container tightly closed. Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Further information on handling

Observe instructions for use. To avoid risks to man and the environment, comply with the instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place.

May cause decomposition by long-term light influence. Keep only in the original container at a temperature not exceeding 25 °C (to be specified by the manufacturer). Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.

Advice on storage compatibility

To follow: Storage class

Further information on storage conditions

Can polymerise exothermically in the absence of stabilisers, particularly in acid conditions or if shelf life

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exceeded. Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			
Worker DNEL, long-term		inhalation	local	210 mg/m ³
Worker DNEL, long-term		dermal	systemic	13,67 mg/kg bw/day

PNEC values

CAS No	Substance	Value
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	
Freshwater		< 0,94 mg/l
Marine water		< 0,94 mg/l
Soil		-----
Air		-----

Additional advice on limit values

Recommended monitoring procedures: "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Ensure that fresh air is supplied to the breathing zone of the operator and exhaust air is removed in his back! Use an "effective exhaust ventilation system" according to 2001/59/EC (Annex 7A)..

Protective and hygiene measures

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 or drink. Apply skin care products after work. When using do not eat, drink, smoke, sniff. Separate storage of work clothes. Used working clothes should not be worn outside the work area. Minimum standard for

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preventive measures while handling with working materials are specified in the TRGS 500. Special regulations for working in moisture are specified in the TRGS 531.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves. Suitable material: Butyl caoutchouc (butyl rubber) Breakthrough time (maximum wearing time): 60 min. (EN 374). When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Wear cotton underneath if possible. 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. Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Use only respiratory protection equipment with CE-symbol including four digit test number. Short-term filter machine, gas filter A (identification colour: brown). Only use filter machines when the surrounding atmosphere contains at least 17% vol. oxygen. Only use filter machines when the surrounding atmosphere contains at least 17% vol. oxygen.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method

pH-Value:	not applicable
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Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	~100 °C
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Sublimation point:	not applicable
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Softening point:	not applicable
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Pour point:	not applicable
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Flash point:	~10 °C	DIN 51755
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Sustaining combustion:	Sustaining combustion
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Flammability	not determined
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Solid:	not applicable
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Gas:	not determined
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Explosive properties

The accumulation in lowlying or closed rooms can cause increased danger of fire and explosion.

Lower explosion limits:	2,1 vol. %
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Upper explosion limits:	12,5 vol. %
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Ignition temperature:	~ 430 °C	DIN 51794
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Auto-ignition temperature

Solid:	not applicable
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Gas:	not applicable
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Decomposition temperature:	not determined
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Oxidizing properties

Highly flammable.

Vapour pressure: ~ 38 hPa
(at 20 °C)

Density (at 20 °C): ~ 0,94 g/cm³

Bulk density: not applicable

Water solubility: ~ 15 g/L
(at 20 °C)

Solubility in other solvents

miscible with most organic solvents

Partition coefficient: log Pow ~ 1,4

Viscosity / dynamic: ~ 0,6 mPa·s Brookfield
(at 20 °C)

Viscosity / kinematic: ~ 6 mm²/s
(at 20 °C)

Flow time: not determined

Vapour density: > 1
(at 20 °C)

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: ~ 99,7 %

9.2. Other information

Solid content: < 0,3 %

none

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. May cause decomposition by long-term light influence. Stabiliser can lose its effectiveness if stored over a long period of time .

10.3. Possibility of hazardous reactions

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Do not mix with peroxide activators and reducing agents. Do not mix with acids.

10.5. Incompatible materials

Radical former
Reducing agent
Heavy metals
Peroxides
Oxidising agent

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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Further information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

Methyl methacrylate is rapidly metabolized.

Acute toxicity

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

Data apply to the main component.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate				
	oral	LD50 mg/kg 7900	Rat	J. Ind. Hyg. Toxicol	standard acute metho
	dermal	LD50 mg/kg > 5000	Rabbit	REACH Dossier	OECD 402
	inhalative (4 h) vapour	LC50 29,8 mg/l	Rat	REACH Dossier	standard acute metho
125455-52-9	Silikonacrylat				
	oral	LD50 mg/kg > 2000	Rat	Supplier	
2082-81-7	1,4-butandiol dimethacrylate				
	oral	LD50 mg/kg 10066	Rat	REACH Dossier	OECD 401
	dermal	LD50 mg/kg > 3000	Rabbit	REACH Dossier	not specified

Irritation and corrosivity

Irritating to eyes, respiratory system and skin.

rabbit, not irritating - slightly irritating. If contact with skin is prolonged and/or frequent, irritations cannot be excluded. Skin irritant Category 2 (UN-GHS).

Sensitising effects

May cause sensitisation by skin contact. (methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate; isobutyl methacrylate; Silikonacrylat)

Respiratory or skin sensitisation mouse, LLNA (Local Lymph Node Assay), (own study): sensitizing. man, In humans various types of allergic reactions have been observed (symptoms: headache, eye irritations, skin affections). Skin Sensitisation Category 1B (UN-GHS) People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Carcinogenic/mutagenic/toxic effects for reproduction

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

Mutagenicity assessment: Positive as well as negative results in in vitro mutagenicity/ genotoxicity tests. No experimental indication of genotoxicity in vivo available. In summary not mutagenic according to internationally accepted criteria.

STOT-single exposure

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

respiratory tract, (irritation). Specific target organ toxicity – single exposure Category 3 (UN-GHS).

STOT-repeated exposure

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

STOT-repeated exposure: (structure-activity-relationships)

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Aspiration hazard

Based on available data, the classification criteria are not met.
no evidence for hazardous properties.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

The mixture is classified as hazardous according to Directive 1999/45/EC.

Practical experience**Observations relevant to classification**

May cause an allergic skin reaction. May produce an allergic reaction.

Other observations

none

Further information

Repeated exposure may cause skin dryness or cracking. Frequently or prolonged contact with skin may cause dermal irritation. Do not breathe gas/vapour/aerosol.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment : Category 3 (UN-GHS)

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate					
	Acute fish toxicity	LC50 > 79 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	REACH Dossier	EPA OTS 797.1400
	Acute algae toxicity	ErC50 > 110 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Dossier	OECD 201
	Acute crustacea toxicity	EC50 69 mg/l	48 h	Daphnia magna (Big water flea)	REACH Dossier	EPA OTS 797.1300
2082-81-7	1,4-butandiol dimethacrylate					
	Acute fish toxicity	LC50 5,861 mg/l	96 h	Pimephales promelas (fathead minnow)	EpiSuite QSAR tool	Quantitative structure-activity relationship (QSAR)

12.2. Persistence and degradability

Readily biodegradable, according to appropriate OECD test. The substance Readily biodegradable (according to OECD criteria). OECD 301 C, 14 d: 94 %

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	94 %	14	Publication
	Readily biodegradable (according to OECD criteria).			
	EPA, title 40 Code of Federal Regulations Part 160	> 99 %	2	40 CFR 160
	Readily biodegradable (according to OECD criteria).			
2082-81-7	1,4-butandiol dimethacrylate			
	OECD 310 (Headspace Test)	76 - 92 %	28	REACH Dossier
	Biodegradable.			

12.3. Bioaccumulative potential

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Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	1,38
2082-81-7	1,4-butandiol dimethacrylate	3,1

BCF

CAS No	Chemical name	BCF	Species	Source
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	2,97 - 3,5	Pisces	SDB HIT-ICE, B
2082-81-7	1,4-butandiol dimethacrylate	59,21	n/h	EpiSuite QSAR tool

12.4. Mobility in soil

Binding to the solid soil phase, sediment or clarification sludge is not expected. The substance evaporates gradually into the atmosphere from the surface of the water. If the substance does get into the environment, it tends to remain in the compartment it was discharged into.

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.

12.6. Other adverse effects

There are no data available on the preparation/mixture itself.

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

Advice on disposal

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. Waste for disposal are exempt from classification and labeling under chemical law (for Germany only). Evidence for disposal must be provided. Delivery to an approved waste disposal company.

Waste disposal number of waste from residues/unused products

070208 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; other still bottoms and reaction residues; hazardous waste

Waste disposal number of used product

070208 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; other still bottoms and reaction residues; hazardous waste

Waste disposal number of contaminated packaging

070208 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; other still bottoms and reaction residues; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 1247

14.2. UN proper shipping name:

METHYL METHACRYLATE MONOMER, STABILIZED

14.3. Transport hazard class(es):

3

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14.4. Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 386
Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 339
Tunnel restriction code: D/E

Other applicable information (land transport)

E2

Inland waterways transport (ADN)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted
Hazard label: 3



Classification code: F1
Limited quantity: 1 L

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted
Hazard label: 3



Special Provisions: -
Limited quantity: 1 L
EmS: F-E, S-D

Other applicable information (marine transport)

E2

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted
Hazard label: 3

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Limited quantity Passenger:	1 L	
IATA-packing instructions - Passenger:		353
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		364
IATA-max. quantity - Cargo:		60 L

Other applicable information (air transport)

Passenger-LQ: Y341
E2

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	no
Danger releasing substance:	See section 14.2.

14.6. Special precautions for user

Warning: Combustible liquids. See section 14.2.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

see regulatory information

Other applicable information

The substance evaporates gradually into the atmosphere from the surface of the
Further information Do not packing together with acrylate polymer powder!

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC):	not applicable
2004/42/EC (VOC):	not applicable

Additional information

none

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.
Water contaminating class (D):	1 - slightly water contaminating
Biocide registry number:	not applicable

Additional information

none

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 14.

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Abbreviations and acronyms

ADR: Accord européen sur le transport 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
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Data sources:

ECHA - <https://echa.europa.eu/de/information-on-chemicals/registered-substances>
TOXNET - HSDB - <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm> & CHEM ID plus -
<https://chem.nlm.nih.gov/chemidplus/chemidlite.jsp>
IARC - http://monographs.iarc.fr/ENG/Classification/latest_classif.php

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