

Safety Data Sheetaccording to the Preparation of Safety data Sheets for
Hazardous Chemicals Code of Practice**MC Care Liquid**

Revision date: 06.06.2018

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

MC Care Liquid

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

Cleaning agent

1.3. Details of the supplier of the safety data sheet

Company name: Sirona Dental Systems GmbH
Street: Fabrikstraße 31
Place: D-64625 Bensheim
Telephone: +49 (0)625116-0
e-mail (Contact person): <http://srvcontact.sirona.com/webformulars/EntryPage>
Internet: www.dentsplysirona.com

1.4. Emergency telephone number: Infotrac/GBK GmbH ID: 106070 +61-280735031

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****UN-GHS (Rev.3)**

Hazard categories:
Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
Causes serious eye damage.

2.2. Label elements**UN-GHS (Rev.3)****Hazard components for labelling**

Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- 5 - < 10 %
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-β-alaninate 1 - < 5 %
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride 1 - < 5 %
ethanol, ethyl alcohol 1 - < 5 %

Signal word: Danger

Pictograms:**Hazard statements**

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures**Chemical characterization**

Contains:

Water (CAS No.: 7732-18-5)

Concentration: > 60 %

Hazardous components

CAS No	Chemical name	Quantity
160875-66-1	Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	5 - < 10 %
94441-92-6	Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-β-alaninate	1 - < 5 %
1554325-20-0	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride	1 - < 5 %
64-17-5	ethanol, ethyl alcohol	1 - < 5 %

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! In case of troubles or persistent symptoms, consult a physician.

After inhalation

Provide fresh air. If unconscious place in recovery position and seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

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

Serious eye damage/eye irritation

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

Full water jet

5.2. Special hazards arising from the substance or mixtureIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Advice on storage compatibility

Avoid: Acid, Strong alkali, Oxidising agent.

Further information on storage conditions

Keep away from heat. Protect from moisture.

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

ethanol, ethyl alcohol (CAS No.: 64-17-5):
TWA: 1000 ppm / 1880 mg/m³

Source: Workplace exposure standards for airborne contaminants (date of effect: 27 April 2018)

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

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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.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear protective gloves.

Suitable material:

HP Polyethylene, (Breakthrough time (maximum wearing time): 10 - 60 min)

NBR (Nitrile rubber) (Thickness of the glove material: 0,4 mm)

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. Replace when worn.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Suitable material: Filter material/medium ABEK-P2.

Environmental exposure controls

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	greenish blue
Odour:	characteristic
pH-Value (at 20 °C):	6,6

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	ca. 100 °C
Flash point:	not determined

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

No information available.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 1,015 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Odour threshold: No information available.

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

Humidity, Heat.

10.5. Incompatible materials

Avoid: Acid, Strong alkali, Oxidising agent.

10.6. Hazardous decomposition productsIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

ATEmix tested

	Dose	Species	Source
LD50, oral	> 2000 mg/kg		calculated.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
160875-66-1	Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-				
	oral	ATE 500 mg/kg			
1554325-20-0	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride				
	oral	LD50 > 300 -200 mg/kg	Rat	Manufacturer	

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

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.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1554325-20-0	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride					
	Acute crustacea toxicity	EC50 > 1 - 10 mg/l	48 h	Daphnia magna (Big water flea)	Manufacturer	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
160875-66-1	Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-			
	OECD 301D	> 60 %	28	Manufacturer
	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
64-17-5	ethanol, ethyl alcohol	-0,35

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12.4. Mobility in soil

The product has not been tested.

12.5. 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

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.

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

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

not applicable

SECTION 15: Regulatory information

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

National regulatory information

Additional information

SUSMP:

ethanol, ethyl alcohol: Appendix B, Part 3

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Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)- β -alaninate: not listed
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-: not listed
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride: not listed
Water: not listed

Model Work Health and Safety Regulations - Scheduled Substances

ethanol, ethyl alcohol: not listed
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)- β -alaninate: not listed
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-: not listed
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride: not listed
Water: not listed

AICS:

ethanol, ethyl alcohol: Yes.
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)- β -alaninate: No.
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-: Yes.
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride: No.
Water: Yes.

SECTION 16: Other information

Abbreviations and acronyms

ADG: Australian Dangerous Goods Code
AICS: Australian Inventory of Chemical Substances
ATE: Acute Toxicity Estimate
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IBC: Intermediate Bulk Container
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
LogPow: logarithm of the octanol/water partition coefficient
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
EC50: Half maximal effective concentration
SUSMP: the Standard for the Uniform Scheduling of Medicines and Poisons
TWA: Time Weighted Average
No.: Number
UN: United Nations
MARPOL: International Convention for the Prevention of Pollution From Ships

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances 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 hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)