

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 1 of 8

1. Identification**Product identifier**

inCoris CC und inCoris CCB

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

For dental use only

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

Emergency phone number: GBK (24 h) +49 (0)6132-84463**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Respiratory or skin sensitization: Resp. Sens. 1

Respiratory or skin sensitization: Skin Sens. 1

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

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

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

Wear respiratory protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

Dispose of waste according to applicable legislation.

Hazards not otherwise classified

In case of melting: / In case of fire may be liberated: Gases/vapors, harmful (cobalt, chromium VI)

3. Composition/information on ingredients**Mixtures**

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 2 of 8

Hazardous components

CAS No	Components	Quantity
7440-48-4	cobalt	66 %

4. First-aid measures**Description of first aid measures****General information**

Remove casualty to fresh air and keep warm and at rest.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Medical treatment necessary.

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**

Extinguishing powder (D -powder.), Dry sand, Sodium chloride.

Unsuitable extinguishing media

Water, Carbon dioxide (CO₂)

Specific hazards arising from the chemical

In case of fire may be liberated: cobalt oxide.

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/vapours/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**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Take up mechanically. Avoid dust formation. Collect in closed and suitable containers for disposal.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 3 of 8

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

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Do not breathe vapor.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

No special measures are necessary.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
7440-47-3	Chromium (III) compounds (as Cr)	-	0.5		TWA (8 h)	PEL
7440-47-3	Chromium metal	-	0.5		TWA (8 h)	REL
			0.5		TWA (8 h)	ACGIH-2017
7440-48-4	Cobalt metal dust and fume (as Co)	-	0.05		TWA (8 h)	REL
7440-48-4	Cobalt metal, dust, and fume (asCo)	-	0.1		TWA (8 h)	PEL
7440-48-4	Cobalt		0.02		TWA (8 h)	ACGIH-2017
7439-98-7	Molybdenum (as Mo) Insoluble Compounds	-	15		TWA (8 h)	PEL
	Total dust					
7439-98-7	Molybdenum metal (respirable fraction)		3		TWA (8 h)	ACGIH-2017

Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
7440-48-4	COBALT	Cobalt	15 µg/L	urine	End of shift at end of workweek

Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Knock down dust with water spray jet.

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 4 of 8

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Use protective skin cream before handling the product. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Do not breathe dust/fume/gas/mist/vapors/spray.

Eye/face protection

Eye glasses with side protection, goggles

Hand protection

Wear suitable gloves.

Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), NR (natural rubber, natural latex).

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

Wear suitable protective clothing.

Take off contaminated clothing and wash it before reuse.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering device with filter or ventilator filtering device of type: P3.

Environmental exposure controls

Avoid release to the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	solid	
Color:	gray	
Odor:	odorless	
pH-Value:		No data available

Changes in the physical state

Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available

Flammability

Solid:	not determined
Gas:	not applicable

Explosive properties

No data available

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	No data available

Auto-ignition temperature

Solid:	not determined
Gas:	not applicable

Decomposition temperature:	No data available
----------------------------	-------------------

Oxidizing properties

Not oxidising.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 5 of 8

Vapor pressure:	No data available
Density:	No data available
Water solubility:	not determined
Solubility in other solvents	
No data available	
Partition coefficient:	No data available
Viscosity / dynamic:	not applicable
Viscosity / kinematic:	not applicable
Vapor density:	No data available
Evaporation rate:	No data available

Other information

Odor threshold: not determined

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No known hazardous reactions.

Conditions to avoid

No information available.

Incompatible materials

No information available.

Hazardous decomposition products

In case of fire may be liberated: cobalt oxide, Gases/vapors, harmful (metals).

11. Toxicological information**Information on toxicological effects****Route(s) of Entry**

oral, dermal, inhalative

Acute toxicity

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

Irritation and corrosivity

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

Sensitizing effects

May cause an allergic skin reaction (cobalt)

May cause allergy or asthma symptoms or breathing difficulties if inhaled (cobalt)

Carcinogenic/mutagenic/toxic effects for reproduction

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

Specific target organ toxicity (STOT) - single exposure

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

Safety Data Sheet

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 6 of 8

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Cobalt (CAS 7440-48-4) is listed in group 2B. Chromium, metallic (CAS 7440-47-3) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

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

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

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.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

13. Disposal considerations

Waste treatment methods

Advice on disposal

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

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101

Proper shipping name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN 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:

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

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 7 of 8

Special precautions for user

No information available.

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

not applicable

15. Regulatory information

U.S. Regulations

National Inventory TSCA

- cobalt (CAS No. 7440-48-4): Yes.
- Chromium (CAS No. 7440-47-3): Yes.
- Molybdenum (CAS No. 7439-98-7): Yes.

National regulatory information

- SARA Section 304 CERCLA:
 - Chromium (7440-47-3): Reportable quantity = 5,000 (2270) lbs. (kg)
- SARA Section 311/312 Hazards:
 - Cobalt (7440-48-4): Immediate (acute) health hazard
- SARA Section 313 Toxic release inventory:
 - Cobalt (7440-48-4): De minimis limit = 0.1 %, Reportable threshold = Standard
 - Chromium (7440-47-3): De minimis limit = 1.0 %, Reportable threshold = Standard
- Clean Air Act Section 112(b):
 - Cobalt (7440-48-4), Chromium (7440-47-3)

State Regulations

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

WARNING: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: Cobalt metal powder (cancer).

16. Other information

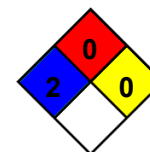
Hazardous Materials Information Label (HMIS)

- Health: 2
- Flammability: 0
- Physical Hazard: 2

NFPA Hazard Ratings

- Health: 2
- Flammability: 0
- Reactivity: 0
- Unique Hazard:

- Revision date: 12.07.2018
- Revision No: 1,0



Abbreviations and acronyms

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%
- TSCA: Toxic Substances Control Act

Other data

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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

inCoris CC und inCoris CCB

Revision date: 12.07.2018

Page 8 of 8

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