

safety data sheet according to 91/155/EEC

version no.: 7

valid from: 05.12.2018

Copran Color (Copran Color, Copran Monolith Color Base/ Copran Monolith Color PaintOn, CopraSupreme Color Base/ CopraSupreme Color PaintOn, CopraSmile Color Base / CopraSmile Color PaintOn, CopraGlaze)
1. identification of the substance/ preparation and of the company/ undertaking:

- 1.1 identification of the substance: water based liquid color with different ingredients
- 1.2 application / preparation: liquid color to stain pre sintered zirconiumdioxide
- 1.3 producer / supplier: Whitepeaks Dental Solutions GmbH & Co. KG
 Langeheide 9
 45239 Essen - Germany
 phone: +49-281-206458-0
 fax: +49-281-206458-13
- 1.4 toxication helpdesk: Giftnotrufzentrale Berlin:
 phone (24Std.) +49 30 30686 700

2. composition / information on ingredients

chem. characterisation: water based liquid

Copran Color	CAS-Nr	EINECS
polyethylenglycol	25322-68-3	203-473-3
Iron (III) chloride	10025-77-1	231-729-4
vanadium (III) chloride	7718-98-1	231-744-6
chromium (III) chloride	10060-12-5	233-038-3
cobalt (II) chloride	7646-79-9	231-589-4
erbium (III) chloride	25322-68-3	233-385-0
terbium (III) chloride	13798-24-8	233-132-4
bismuth (III) chloride	7787-60-2	232-123-2
mangan (II) chloride	13446-34-9	231-869-6
neodymium (III) chloride	13477-89-9	233-031-5
nickel (II) chloride	7791-20-0	231-743-0
silicon standard solution	---	---

CopraGlaze	CAS-Nr	EINECS
zirconium powder ceramic	65999-17-3	266-046-0
zinc iron chrome	68186-88-9	269-050-0
cobalt aluminium	1345-16-0	310-193-6
cobalt Silikate	68187-40-6	269-093-5
cobalt chrome	68187-49-5	269-101-7
chrome pewter	68187-12-2	269-073-6
zirkonium praseodymsilicate	68187-15-5	269-075-7
cadmium pigment	102184-95-2	310-077-5
pewter chrome	68187-53-1	269-104-3
zirconium, silicon zirconium	95193-95-6	305-909-9
iron cobalt chrome	68186-97-0	269-060-5
butandiol 1,3	---	---

3. hazards identification

- 3.1 hazard designation for human an environment: direct contact can cause slight irritations of skin and eyes
- 3.2 hazardous / non hazardous preparation: n.a.
- 3.3 harmful effects to health and environment on abuse: n.a.
- 3.4 other hazards based on material: none

4. first aid measures

- 4.1 general information: if you feel uncomfortable please consult a physician
- 4.2 after inhalation: consult a physician
- 4.3 after skin contact: rinse thoroughly with water and soap. If symptoms persist consult physician
- 4.4 after eye contact: rinse open eye thoroughly with water. If symptoms persist consult physician
- 4.5 after swallowing: rinse mouth with water. Do not induce vomiting. Consult physician
- 4.6 information for physician: show this document

5. fire-fighting measures

5.1 suitable extinguishing media:	no special measures are required
5.2 not suitable extinguishing media:	n.a.
5.3 hazardous combustion products:	n.a.
5.4 special protection equipment:	n.a.

6. accidental release measures

6.1 personal precautions:	n.a.
6.2 environmental precautions:	n.a.
6.3 methods of cleaning:	mop up and dispose to the regulations (see chapter 13)
6.4 additional information:	n.a.

7. handling and storage

7.1 handling:	only by trained personnel. Keep out of reach of children
7.2 storage:	at 4-10°C. Protect from sunlight
7.3 application:	n.a.

8. exposure controls/personal protection

8.1 exposure limits:	n.a.
8.2 limitation and monitoring to exposure	n.a.
8.2.1 limitation and monitoring to exposure at work station:	provide enough ventilation. Do not eat, drink or smoke while you are working. Keep away from food and drinks
8.2.1.1 respiratory protection:	use dust mask
8.2.1.2. hand protection	avoid contact with skin. Wear protective gloves
8.2.1.3. eye protection:	wear protective glasses
8.2.1.4. skin protection:	use protective clothing
8.2.2. limitation and monitoring to environmental exposure:	n.a.

9. physical and chemical properties

9.1 appearance:	yellowish, greyish, rose, pinkish, brownish, blueish
9.1.1 aggregate state:	liquid
9.1.2 odour:	nearly odourless
9.2 pH:	n.a.
9.2.1 boiling point:	n.a.
9.2.2 flash point:	n.a.
9.2.3. autoflammability:	n.a.
9.2.4. explosive properties:	n.a.
9.2.5. oxidizing properties:	n.a.
9.2.6. vapor pressure:	n.a.
9.2.7. relative density:	1 gr/cm ³
9.2.8. solubility water / fat	100% in water
9.2.9. partition coefficient:	n.a.
9.2.10. viscosity :	n.a.
9.2.11.vapor density	n.a.
9.2.12. evaporation rate:	n.a.
9.3 other data:	none

10. stability and reactivity

10.1 conditions to avoid:	heat / insolation
10.2 materials to avoid:	n.a.
10.3 hazardous decomposition products:	none at normal storage and handling

11. toxicological information

the product does not create any harmful effect to the health if handled correctly and considered the intended use.

12. ecological information

12.1 ecotoxicity:	n.a.
12.2 mobility:	n.a.
12.3 persistence / degradability:	n.a.
12.4 bioaccumulation potential:	n.a.
12.5 other adverse effects:	n.a.

13. disposal considerations

Product and packaging should be disposed to official rules and directives

14. transport information

14.1. un-number:	n.a.
14.2. class:	n.a.
14.3. correct identification of goods:	Copran Color
14.4. packaging group:	n.a.
14.5. ocean harmful substances:	n.a.
14.6. other relevant information:	n.a.

15. regulatory information

subject to classification: This product is no subject to declaration according to EC rules.

16. other information

This safety data sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

We can not a guarantee or give a warranty for the accuracy, dependability and completeness of this information, explicitly or implicitly. We call upon any person getting this information to urgently check and verify the adequacy and completeness for her or his special application.

n.a. = not applicable