



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2015/830)

Collano HP 2200

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

1.1. Product identifier

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

Use of the Substance/Mixture Separating agent

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification Collano AG
Neulandstrasse 3
CH-6203 Sempach Station
T +41 41 469 92 75
www.collano.com
sdb@collano.com

1.4. Emergency telephone number +41 41 469 92 75 (Mo - Do 8:00 - 12 :00 / 13 :00 - 17:00 MEZ/CET)
(Fr 8:00 - 12 :00 / 13 :00 - 16:00 MEZ/CET)
(+41 44 251 51 51 Tox Center)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 The substance or mixture is not classified.

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word -

Hazard Statements None.

Precautionary statements None.

Supplemental information Contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
Safety data sheet available on request.

Product identifier None.

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2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients**Chemical characterization**

Oil-wax emulsion

Components		CLP Classification	Product identifier
ethyl alcohol	< 10%	Eye Irrit. 2 H319, Flam. Liq. 2 H225	CAS-No.: 64-17-5 EC-No.: 200-578-6 Index-No: 603-002-5 REACH No.: 01-2119457610-43-xxx
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	< 0,0015%	Acute Tox. 2 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410, EUH071 [CSk1C: C ≥ 0,6 % CSk2: 0,06 % ≤ C < 0,6 % CEy1: C ≥ 0,6 % CEy2: 0,06 % ≤ C < 0,6 % SensSk1A: C ≥ 0,0015 %] M-Factor chronic=100	CAS-No.: 55965-84-9 Index-No: 613-167-00-5 REACH No.: BPR

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

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

Move to fresh air in case of accidental inhalation of vapours or decomposition products. In the case of inhalation of aerosol/mist consult a physician if necessary.

Skin contact

Wash off with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact

If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water, also under the eyelids. Protect unharmed eye.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

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

Cough. Acidosis. Other central nervous effects. Headache. Dizziness. Nausea. Dizziness.

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

treatment of symptoms and supporting therapy

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. High volume water jet. Water mist Foam. Dry powder. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons None.

5.2. Special hazards arising from the substance or mixture The product itself does not burn.

5.3. Advice for firefighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. Normal measures for preventive fire protection.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Evacuate personnel to safe areas. Do not breathe vapours. Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment.

Advice for emergency responders Avoid contact with skin and eyes. Use non-slip safety shoes in areas where spills or leaks can occur.

6.2. Environmental precautions Stop rinsing, if possible without taking a risk. Do not flush into surface water or sanitary sewer system. Try to retain the spilled product. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains. Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Try to retain the spilled product. Do not let product enter drains. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Avoid formation of dust and aerosols. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Prevent vapor buildup by providing adequate ventilation during and after use. Keep containers tightly closed in a cool, well-ventilated place. Vapours may form explosive mixtures with air. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Fire-fighting equipment on the basis of class 0. Wash hands and exposed skin before eating, drinking or smoking and after work.

7.2. Conditions for safe storage, including any incompatibilities Keep away from heat. Do not freeze. Keep at temperatures between 10 and 30 °C. Store in original container. Do not store together with explosive,

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infectious and radioactive products. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

No data is available on the product itself.

ethyl alcohol (CAS 64-17-5)

Norway - Restricted Substances and Preparations	"Use restricted. See item 2-24 and 2-25 and 2-26 of the regulation. (paints and varnishes)" As Volatile organic compounds [RR-07163-6]
Norway - Occupational Exposure Limits - TWAs	500 ppm TWA 950 mg/m ³ TWA
Norway - Occupational Exposure Limits - STELs	625 ppm STEL (value calculated) 1187.5 mg/m ³ STEL (value calculated)
Switzerland - Occupational Exposure Limits - STELs - (KZWs)	1000 ppm STEL [KZW] 1920 mg/m ³ STEL [KZW]
Switzerland - Occupational Exposure Limits - Developmental Risk Groups	Developmental Risk Group C
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	500 ppm TWA [MAK] 960 mg/m ³ TWA [MAK]
United Kingdom - Workplace Exposure Limits (WELs) - STELs	3000 ppm STEL (calculated) 5760 mg/m ³ STEL (calculated)
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	1000 ppm TWA 1920 mg/m ³ TWA
Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	2000 ppm STEL [KZW] (3 X 60 min) 3800 mg/m ³ STEL [KZW] (3 X 60 min)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	1000 ppm TWA [TMW] 1900 mg/m ³ TWA [TMW]
Belgium - Occupational Exposure Limits - TWAs	1000 ppm TWA 1907 mg/m ³ TWA
Bulgaria - Occupational Exposure Limits - TWAs	1000 mg/m ³ TWA
Croatia - Occupational Exposure Limits - TWAs (GVIs)	1000 ppm TWA [GVI] 1900 mg/m ³ TWA [GVI]
Czech Republic - Occupational Exposure Limits - Ceilings	3000 mg/m ³ Ceiling
Czech Republic - Occupational Exposure Limits - TWAs	1000 mg/m ³ TWA
Denmark - Occupational Exposure Limits - TWAs	1000 ppm TWA 1900 mg/m ³ TWA
Estonia - Occupational Exposure Limits - STELs	1000 ppm STEL 1900 mg/m ³ STEL
Estonia - Occupational Exposure Limits - TWAs	500 ppm TWA 1000 mg/m ³ TWA
Finland - Occupational Exposure Limits - TWAs	1000 ppm TWA 1900 mg/m ³ TWA
Finland - Occupational Exposure Limits - STELs	1300 ppm STEL 2500 mg/m ³ STEL
France - Occupational Exposure Limits - STELs (VLCT)	5000 ppm STEL [VLCT] 9500 mg/m ³ STEL [VLCT]
France - Occupational Exposure Limits - TWAs (VME)	1000 ppm TWA [VME] 1900 mg/m ³ TWA [VME]
Germany - DFG - Recommended Exposure Limits - Carcinogens	Category 5 (low carcinogenic potency)
Germany - DFG - Recommended Exposure Limits - Mutagens	Category 5 (Germ cell mutagens or suspected substances (according to the definition of Category 3A and 3B), the potency which is considered to be so low that, provided the MAK value is observed, their contribution to genetic risk for man is expected not to be significant)
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	800 ppm Peak 1520 mg/m ³ Peak

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Germany - DFG - Recommended Exposure Limits - Pregnancy	no risk to embryo/fetus if exposure limits adhered to
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	200 ppm TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2) 380 mg/m ³ TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	200 ppm TWA MAK 380 mg/m ³ TWA MAK
Greece - Occupational Exposure Limits - TWAs	1000 ppm TWA 1900 mg/m ³ TWA
Hungary - Occupational Exposure Limits - STELs (CKs)	7600 mg/m ³ STEL [CK]
Hungary - Occupational Exposure Limits - TWAs (AKs)	1900 mg/m ³ TWA [AK]
Ireland - Occupational Exposure Limits - STELs	1000 ppm STEL
Latvia - Occupational Exposure Limits - TWAs	1000 mg/m ³ TWA ([246])
Netherlands - Occupational Exposure Limits - TWAs	260 mg/m ³ TWA
Netherlands - Occupational Exposure Limits - STELs	1900 mg/m ³ STEL
Poland - Occupational Exposure Limits - TWAs (NDSs)	1900 mg/m ³ TWA [NDS]
Portugal - Occupational Exposure Limits - TWAs (VLE-MPs)	1000 ppm TWA [VLE-MP]
Romania - Occupational Exposure Limits - TWAs	1000 ppm TWA 1900 mg/m ³ TWA
Romania - Occupational Exposure Limits - STELs	5000 ppm STEL 9500 mg/m ³ STEL
Slovak Republic - Occupational Exposure Limits - Ceilings	1920 mg/m ³ Ceiling
Slovak Republic - Occupational Exposure Limits - TWAs	500 ppm TWA 960 mg/m ³ TWA
Slovenia - Occupational Exposure Limits - TWAs	960 mg/m ³ TWA 500 ppm TWA
Slovenia - Occupational Exposure Limits - STELs	1000 ppm STEL 1920 mg/m ³ STEL
Spain - Occupational Exposure Limits - STELs	1000 ppm STEL [VLA-EC] 1910 mg/m ³ STEL [VLA-EC]
Sweden - Occupational Exposure Limits - TLVs	500 ppm TLV NGV 1000 mg/m ³ TLV NGV
Sweden - Occupational Exposure Limits - STELs	1000 ppm Indicative STEL Vägledande KGV 1900 mg/m ³ Indicative STEL Vägledande KGV
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9)	
Switzerland - Occupational Exposure Limits - Sensitizers	Sensitizer (listed under 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1)
Switzerland - Occupational Exposure Limits - Developmental Risk Groups	Developmental Risk Group C
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	0.2 mg/m ³ TWA [MAK] (inhalable dust)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	0.05 mg/m ³ TWA [TMW] (5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1)

8.2. Exposure controls

Appropriate engineering controls

Avoid contact with the skin and the eyes. General industrial hygiene practice.

Personal protection equipment

Respiratory protection

In case of good ventilation no personal respiratory protective equipment required.

Hand protection

Protective gloves complying with EN 374. Nitrile rubber. Break through time: > 480 min. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

<i>Eye protection</i>	Avoid contact with eyes. Safety glasses with side-shields conforming to EN166.
<i>Skin and body protection</i>	Wear suitable protective clothing. Chemical resistant apron. Remove and wash contaminated clothing and gloves, including the inside, before re-use.
<i>Thermal hazards</i>	No special measures required.
Environmental exposure controls	No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White.
Odour	Characteristic.
Odour Threshold	Not determined.
pH:	~7
Melting point/range:	<0°C
Boiling point/range:	>78°C
Flash point:	54°C
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	Not determined.
Vapour pressure:	Not determined.
Vapor density:	Not determined.
Relative density:	0.95 g/cm ³
Water solubility:	emulsifiable
Partition coefficient (n-octanol/water):	Not determined.
Autoignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
Viscosity:	paste.
Explosive properties:	not hazardous
Oxidising properties:	None

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity	Stable under recommended storage conditions.
10.2. Chemical stability	Stable at normal conditions.
10.3. Possibility of hazardous reactions	Stable under recommended storage conditions.
10.4. Conditions to avoid	Not required.
10.5. Incompatible materials	Incompatible with oxidizing agents. Substances and mixtures which in contact with water emit flammable gases.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on the product itself. ethyl alcohol (CAS 64-17-5) Inhalation LC50 Rat = 124.7 mg/L 4 h(OECD_SIDS) Oral LD50 Rat = 7060 mg/kg (NLM_CIP) Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9) LD50/oral 53 mg/kg.
Skin corrosion/irritation	May cause skin irritation with susceptible persons.
Serious eye damage/eye irritation	Slight eye irritation.
Respiratory / Skin Sensitisation	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.
Delayed and immediate effects and also chronic effects from short and long term exposure	Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

SECTION 12: Ecological information

12.1. Toxicity Ecological injuries are not known or expected under normal use.

ethyl alcohol (CAS 64-17-5)
Ecological injuries are not known or expected under normal use.

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9)

EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation

The ingredient has not been tested.

EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation

Inherently biodegradable according to OECD guidelines.

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations. Do not dispose of together with household waste. Do not dispose of waste into sewer. The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment. European Waste catalogue code (EWC-code): 12 01 15. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

ADR/RID

Not required.

IMDG

Not required.

IATA

Not required.

Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

Water contaminating class (WGK Germany) = 1(AwSV).

VOC (CH) = 6.0%

ethyl alcohol (CAS 64-17-5)

TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors

Present

Switzerland - Volatile Organic Compounds (VOCs) - Group I

present (as long as it deals with distilled spirits, that does not serve for drinking and consumption purposes)

Switzerland - Air Pollution Control - Organic Substances - Gases, Vapors or Particulates

Category Class 3

EU - Biocides (1062/2014) - Annex II Part 1 - Supported Substances

036 Product type 1, 2, 4 (200-578-6)

EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC

Product type: 3

EU - European Pollutant Release and Transfer Register (E-PRTR) (166/2006) - Threshold Quantities

"100000 kg/yr TQ (air)" As Non-methane volatile organic compounds (NMVOCs) [RR-14069-2]

EU - REACH (1907/2006) - List of Registered Substances

Present

Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS UNECE - Kiev Protocol on Pollutant Release and Transfer Registers (PRTR) - Annex II - Column 1a - Releases to Air

Reg. no. 96, hazard class 1 - slightly hazardous to water (footnote 3)

"100000 kg/yr" As Non-methane volatile organic compounds [RR-14069-2]

UNECE - Kiev Protocol on Pollutant Release and Transfer Registers (PRTR) - Annex II - Column 3	"100000 kg/yr" As Non-methane volatile compounds (NMVOC) [RR-14069-2]
UNEP (United Nations Environment Programme) - Basel Convention - Hazardous Wastes - Annex I	"Y42 (except Halogenated solvents)" As Organic solvents excluding halogenated solvents [RR-10445-0]
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9)	579 g/kg Sunset Date: 06/30/2027 (dry weight)
Switzerland - Biocides - Annex II - Active Substances - Minimum Purity	Product Type: 2
Switzerland - Biocides - Annex II - Active Substances - Product Type	Product Type: 4
	Product Type: 6
	Product Type: 11
	Product Type: 12
	Product Type: 13
EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC	Product type: 7 (mixture)
EU - Biocides (528/2012/EU) - Active Substances	Product type: 9 (mixture)
	Product type: 10 (mixture)
	2 - Disinfectants and algaecides not intended for direct application to humans or animals (Commission Implementing Regulation 2016/131/EU)
	4 - Food and feed area disinfectant (Commission Implementing Regulation 2016/131/EU)
	6 - Preservatives for products during storage (Commission Implementing Regulation 2016/131/EU)
	11 - Preservatives for liquid-cooling and processing systems (Commission Implementing Regulation 2016/131/EU)
	12 - Slimicides (Commission Implementing Regulation 2016/131/EU)
	13 - Working or cutting fluid preservatives (Commission Implementing Regulation 2016/131/EU)
	Present
EU - REACH (1907/2006) - List of Registered Substances	
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 2959, hazard class 3 - highly hazardous to water
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Revision Note

Safety datasheet sections which have been updated: 2,3,8,9,11,12,15,16.

Key or legend to abbreviations and acronyms

CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
MAK: Occupational exposure limit.
OECD: Organisation for Economic Co-operation and Development
STEL: Short Term Exposure Limit
TWA: time weighted average
VOC: Volatile organic compounds (VOC) content

Full text of phrases referred to under sections 2 and 3

H302: Harmful to aquatic life with long lasting effects.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Instructions for use

Restricted to professional users.

Disclaimer

It is not to be considered a warranty or quality specification. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.