

**Cosmenyl Black 100**

Page 1(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

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

**1.1. Product identifier**

**Trade name**

**Cosmenyl Black 100**

**Material number:** 314875

**Chemical nature:** water based pigment preparation

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

**Relevant identified uses of the substance or mixture**

Industry sector :	Personal Care
Type of use :	Colouring agent
	Cosmetics

**1.3. Details of the supplier of the safety data sheet**

**Identification of the company**

Heubach Colorants Germany GmbH  
Brüningstraße 50  
65929 Frankfurt am Main  
Telephone no. : +49 69 305 13619

**Information about the substance/mixture**

Product Stewardship  
e-mail: SDS.PI.Europe@clariant.com

**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

**Additional Labelling**

EUH210 Safety data sheet available on request.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Cosmenyl Black 100**

Page 2(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

No hazards to be specially mentioned.

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

**3.2 Mixtures**

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alcohols, C12-14 ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412  specific concentration limit Eye Dam./Irrit. 2; H319 5,0 - < 10,0 % Eye Dam./Irrit. 1; H318 >= 10,0 %	>= 5 - < 10

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : Move the victim to fresh air.  
If you feel unwell, seek medical advice (show the label where possible).
- In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.

**Cosmenyl Black 100**

Page 3(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

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

Risks : No additional hazards are known except those derived from the labelling.

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

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Wear suitable protective equipment.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear suitable protective equipment.

**6.2 Environmental precautions**

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Treat recovered material as described in the section "Disposal considerations".

**6.4 Reference to other sections**

Information regarding Safe handling, see chapter 7.

**Cosmenyl Black 100**

Page 4(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Advice on safe handling : not required under normal use
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

**7.2 Conditions for safe storage, including any incompatibilities**

- Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Keep away from flames and sparks.

**7.3 Specific end use(s)**

- Specific use(s) : No further recommendations.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
Alcohols, C12-14 ethoxylated, sulfates, sodium salts CAS-No.: 68891-38-3	Workers	Dermal	Long-term systemic effects	2750 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	175 mg/m3
	Remarks:DNEL			
	General population	Dermal	Long-term systemic effects	1650 mg/kg bw/day
	Remarks:DNEL			
	General population	Inhalation	Long-term systemic effects	52 mg/m3
	Remarks:DNEL			
	General population	Oral	Long-term systemic effects	15 mg/kg bw/day
	Remarks:DNEL			
	Workers	Dermal	Long-term local effects	0,132 mg/cm2

**Cosmenyl Black 100**

Page 5(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

	General population	Dermal	Long-term local effects	0,079 mg/cm2
Glycerine CAS-No.: 56-81-5	Workers	Inhalation	Long-term local effects	220 mg/m3
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	132 mg/m3
	Remarks:DNEL			

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Alcohols, C12-14 ethoxylated, sulfates, sodium salts CAS-No.: 68891-38-3	Fresh water	0,24 mg/l
	salt water	0,024 mg/l
	Water (intermittent release)	0,071 mg/l
	Fresh water sediment	0,9168 mg/kg dry weight (d.w.)
	Marine sediment	0,0917 mg/kg dry weight (d.w.)
	Soil	7,5 mg/kg dry weight (d.w.)
	Sewage treatment plant	10000 mg/l
Glycerine CAS-No.: 56-81-5	Sewage treatment plant	1000 mg/l

**8.2 Exposure controls**

**Engineering measures**

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**

Eye protection : Safety glasses

Hand protection

Remarks : Nitrile rubber Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Wear suitable protective equipment.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protective measures : Wear suitable protective equipment.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state : dispersion

Colour : black

**Cosmenyl Black 100**

Page 6(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

Odour	:	odourless
Odour Threshold	:	not required
Melting point	:	Not applicable
Boiling point	:	100 °C
Upper explosion limit / upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	100 °C
Auto-ignition temperature	:	not determined
Decomposition temperature	:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
pH	:	7,9
Viscosity		
Viscosity, dynamic	:	200 mPa.s (23 °C)
Viscosity, kinematic	:	no data available
Solubility(ies)		
Water solubility	:	miscible
Partition coefficient: n-octanol/water	:	Not applicable
Vapour pressure	:	not determined
Relative density	:	no data available
Density	:	1,17 g/cm <sup>3</sup> (23 °C)
Relative vapour density	:	not determined
Particle characteristics		
Particle size	:	Not applicable

**9.2 Other information**

Explosives	:	no data available
Oxidizing properties	:	no data available

**Cosmenyl Black 100**

Page 7(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

Flammable solids	
Burning number	: Not applicable
Metal corrosion rate	: no data available
Evaporation rate	: not determined
Minimum ignition energy	: not determined
Molecular weight	: no data available

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use. Stable

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : no data available

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

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**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**Product:**

Acute oral toxicity : Remarks: no data available

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Acute oral toxicity : LD50 (Rat, male and female): 2.870 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral

**Cosmenyl Black 100**

Page 8(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

toxicity

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

**Product:**

Species : Rabbit  
Result : No skin irritation  
Remarks : The toxicological data has been taken from products of similar composition.

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Irritating to skin.

**Serious eye damage/eye irritation**

**Product:**

Species : rabbit eye  
Result : No eye irritation  
Remarks : The toxicological data has been taken from products of similar composition.

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Method : OECD Test Guideline 405  
Result : Risk of serious damage to eyes.

**Respiratory or skin sensitisation**

**Product:**

Remarks : no data available

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.

Assessment : Causes skin irritation., Causes serious eye damage.



**Cosmenyl Black 100**

Page 9(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-  
Assessment : No information available.

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 0, 11, 56, 280, 1400, 7000 µg/  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test Type: Chromosome aberration test in vitro  
Test system: Bone marrow cells  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: Cytogenetic assay  
Species: Mouse (male and female)  
Strain: CD1  
Cell type: Bone marrow cells  
Application Route: oral (gavage)  
Dose: 1000, 2000 mg/kg bw/day  
Method: OECD Test Guideline 475  
Result: negative

**Carcinogenicity**

**Product:**

Carcinogenicity -  
Assessment : No information available.

**Reproductive toxicity**

**Product:**

Reproductive toxicity -  
Assessment : No information available.

**Cosmenyl Black 100**

Page 10(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: Drinking water  
Dose: 30, 100, 300 mg/kd bw/day  
General Toxicity - Parent: NOAEL: 300 mg/kg body weight  
General Toxicity F1: NOAEL: 300 mg/kg body weight  
Method: OECD Test Guideline 416  
GLP: yes

Effects on foetal development : Species: Rat, female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
Dose: 100, 300, 1000 mg/kg bw/day  
General Toxicity Maternal: NOAEL: > 1.000 mg/kg body weight  
Embryo-foetal toxicity: NOAEL: > 1.000 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

**STOT - single exposure**

**Product:**

Remarks : no data available

**STOT - repeated exposure**

**Product:**

Remarks : no data available

**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Species : Rat, male and female  
NOAEL : > 225 mg/kg  
Application Route : oral (gavage)  
Exposure time : 90 d  
Number of exposures : daily  
Dose : 25, 75, 225 mg/kg bw/day  
Control Group : yes  
Method : OECD Test Guideline 408  
GLP : yes

Species : Mouse, male and female  
NOAEL : > 6,91 mg/kg

**Cosmenyl Black 100**

Page 11(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

Exposure time : 91 d  
Number of exposures : 5 per week  
Dose : 2,38, 6,91 mg/day  
Control Group : yes  
Method : OECD Test Guideline 411

**Aspiration toxicity**

**Product:**

no data available

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Further information**

**Product:**

Remarks : no data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7,1 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

**Cosmenyl Black 100**

Page 12(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 7,4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- EC10 (Desmodesmus subspicatus (green algae)): 4,4 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : NOEC: 0,14 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Test Type: flow-through test  
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,27 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: flow-through test  
Method: OECD Test Guideline 211  
Remarks: By analogy with a product of similar composition

**Ecotoxicology Assessment**

- Acute aquatic toxicity : Toxic to aquatic life.
- Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

**Product:**

- Biodegradability : Remarks: no data available

**Components:**

**Alcohols, C12-14 ethoxylated, sulfates, sodium salts:**

- Biodegradability : Test Type: aerobic  
Result: Readily biodegradable.  
Biodegradation: >= 77 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**12.3 Bioaccumulative potential**

**Product:**

- Bioaccumulation : Remarks: no data available

**Cosmenyl Black 100**

Page 13(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

**Product:**

Environmental fate and pathways : no data available

Additional ecological information : no data available

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging : This material and its container must be disposed of in a safe way.

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**SECTION 14: Transport information**

**Section 14.1. to 14.5.**

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

**14.6. Special precautions for user**

**Cosmenyl Black 100**

Page 14(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

See sections 6 to 8 of this Safety Data Sheet.

**14.7. Maritime transport in bulk according to IMO instruments**

No transport as bulk according IBC - Code.

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**SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	: Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

**Other regulations:**

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

**15.2 Chemical safety assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

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**SECTION 16: Other information**

**Full text of H-Statements**

H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H412	: Harmful to aquatic life with long lasting effects.

**Full text of other abbreviations**

Aquatic Chronic	: Long-term (chronic) aquatic hazard
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Cosmenyl Black 100

Page 15(16)

Substance key: 00000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

Eye Dam. : Serious eye damage  
Skin Irrit. : Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Heubach makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Heubach's products for its particular application. Nothing included in this information waives any of Heubach's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Heubach products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Heubach.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006



**Cosmenyl Black 100**

Page 16(16)

Substance key: 000000804870

Revision Date: 05.07.2022

Version : 1 - 4 / EU

Date of printing : 11.12.2022

REG\_EU / EN