

**Sanodal Deep Black MLW gran.**

Page 1(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

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

**1.1. Product identifier**

**Trade name**

Sanodal Deep Black MLW gran.

**Material number:** 102242

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

**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)

---

**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.

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.

**Sanodal Deep Black MLW gran.**

Page 2(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

Dust can form an explosive mixture in air.  
No additional hazards are known except those derived from the labelling.

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

**3.2 Mixtures**

Chemical nature : azo dyestuff/chromium complex  
Mixture  
anionic

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-Methylpentane-2,4-diol	107-41-5 203-489-0 603-053-00-3	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 1 - < 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 : If inhaled, remove 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, call a poison control centre or doctor immediately.  
Treat symptomatically.

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

Symptoms : No symptoms known currently.

Risks : No hazards known at this time.

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

Treatment : Treat symptomatically.

**Sanodal Deep Black MLW gran.**

Page 3(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

---

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : all

Unsuitable extinguishing media : No restrictions

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

Specific hazards during firefighting : Carbon oxides

Chromium oxides

Nitrogen oxides (NOx)

Sulphur oxides

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Self-contained breathing apparatus

Further information : Cool container and metallic parts with a water spray jet

---

**SECTION 6: Accidental release measures**

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

Personal precautions : Wear suitable protective equipment.  
Do not empty into drains.  
Do not dispose of waste into sewer.  
Combustible Solids  
Take up as such and consider recycling.

**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 : Pick up mechanically. Rinse away rest with water.  
After processing, clean all equipment with the following:  
Water

**Sanodal Deep Black MLW gran.**

Page 4(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

**6.4 Reference to other sections**

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Advice on safe handling : No special measures necessary.
- Advice on protection against fire and explosion : Potential dust explosion hazard.
- Hygiene measures : This preparation is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

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

- Further information on storage conditions : Keep only in the original container, tightly closed, in a well ventilated place

**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
Sodium sulphate CAS-No.: 7757-82-6	Workers	Inhalation	Long-term systemic effects	20 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	20 mg/m3
	Remarks:DNEL			
	General population	Inhalation	Long-term systemic effects	12 mg/m3
	Remarks:DNEL			
	General population	Inhalation	Long-term local effects	12 mg/m3
	Remarks:DNEL			
2-Methylpentane-2,4-diol CAS-No.: 107-41-5	Workers	Inhalation	Long-term systemic effects	44,4 mg/m3
	Remarks:DNEL			

**Sanodal Deep Black MLW gran.**

Page 5(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

	Workers	Inhalation	Long-term local effects	49 mg/m3
Remarks:DNEL				
	Workers	Inhalation	Acute local effects	98 mg/m3
Remarks:DNEL				
	Workers	Dermal	Long-term systemic effects	42 mg/kg bw/day
Remarks:DNEL				
	Consumers	Inhalation	Long-term systemic effects	7,8 mg/m3
Remarks:DNEL				
	Consumers	Inhalation	Long-term local effects	25 mg/m3
Remarks:DNEL				
	Consumers	Inhalation	Acute local effects	25 mg/m3
Remarks:DNEL				
	Consumers	Inhalation	Acute local effects	49 mg/m3
	Consumers	Dermal	Long-term systemic effects	15 mg/kg bw/day
Remarks:DNEL				
	Consumers	Oral	Long-term systemic effects	1,5 mg/kg bw/day
Remarks:DNEL				

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

Substance name	Environmental Compartment	Value
Sodium sulphate CAS-No.: 7757-82-6	Fresh water	11,09 mg/l
	Marine water	1,109 mg/l
	Water (intermittent release)	17,66 mg/l
	Fresh water sediment	40,2 mg/kg dry weight (d.w.)
	Marine sediment	4,02 mg/kg dry weight (d.w.)
	Soil	1,54 mg/kg dry weight (d.w.)
	Sewage treatment plant	800 mg/l
2-Methylpentane-2,4-diol CAS-No.: 107-41-5	Fresh water	0,429 mg/l
	Marine water	0,043 mg/l
	Sewage treatment plant	20 mg/l
	Soil	0,066 mg/kg dry weight (d.w.)
	Fresh water sediment	1,59 mg/kg dry weight (d.w.)
	Marine sediment	0,159 mg/kg dry weight (d.w.)

**8.2 Exposure controls**

**Engineering measures**

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

**Personal protective equipment**

**Sanodal Deep Black MLW gran.**

Page 6(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

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	:	Respirator must be worn if exposed to dust.
Protective measures	:	Wear suitable protective equipment.

---

**SECTION 9: Physical and chemical properties**

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

Physical state	:	Granules
Colour	:	black
Odour	:	not significant
Odour Threshold	:	not required
Melting point	:	Decomposition: no Not applicable
Boiling point	:	(1.013 hPa) Decomposition: no Not applicable
Flammability	:	no reaction up to 360 °C Method: Sandoz Ignition test of deposited dust. Remarks: Ignition test of deposited dust
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	170 °C Method: SANDOZ Radex isoperibolic decomposition test Heating rate: 0 K/min open cup  200 °C Heating rate: 0,75 K/min

**Sanodal Deep Black MLW gran.**

Page 7(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

Decomposition energy (mass): 520 kJ/kg  
Method: SANDOZ Radex dynamic decomposition test  
open cup

pH	:	approximately 4 (20 °C) Concentration: 10 g/l
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Solubility(ies)		
Water solubility	:	approximately 50 g/l (20 °C) soluble
Partition coefficient: n- octanol/water	:	not determined
Vapour pressure	:	Not applicable
Relative density	:	no data available
Density	:	not determined
Bulk density	:	approximately 900 kg/m <sup>3</sup>
Relative vapour density	:	Not applicable
Particle characteristics		
Particle size	:	not determined

**9.2 Other information**

Explosives	:	no data available
Oxidizing properties	:	no data available
Self-ignition	:	no data available
Substances and mixtures, which in contact with water, emit flammable gases	:	Method: according to Lütolf (ESCIS Vol. 1)
Metal corrosion rate	:	Not applicable
Evaporation rate	:	Not applicable
Minimum ignition energy	:	> 1 J (1.013 hPa) Method: modified Hartmann tube
Molecular weight	:	no data available

**Sanodal Deep Black MLW gran.**

Page 8(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

---

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Hazardous reactions : When used and handled as intended, none.

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : None.

**10.6 Hazardous decomposition products**

When used and handled as intended, none.

---

**SECTION 11: Toxicological information**

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

**Acute toxicity**

**Product:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: SANDOZ internal test

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: SANDOZ internal test

**Components:**

**2-Methylpentane-2,4-diol:**

Acute oral toxicity : LD0 (Rat, male and female): >= 2.000 mg/kg  
Method: OECD Test Guideline 420  
GLP: yes

Acute inhalation toxicity : LC0 (Rat, male): saturated vapor  
Exposure time: 8 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
GLP: no  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD0 (Rat, male and female): >= 2.000 mg/kg  
Method: OECD Test Guideline 402



**Sanodal Deep Black MLW gran.**

Page 9(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

**Product:**

Species : Rabbit  
Result : No skin irritation

**Components:**

**2-Methylpentane-2,4-diol:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : Irritating to skin.  
GLP : yes

**Serious eye damage/eye irritation**

**Product:**

Species : Rabbit  
Result : No eye irritation

**Components:**

**2-Methylpentane-2,4-diol:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irritating to eyes.  
GLP : yes

**Respiratory or skin sensitisation**

**Product:**

Remarks : no data available

**Components:**

**2-Methylpentane-2,4-diol:**

Test Type : Guinea pig maximization test  
Exposure routes : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.  
GLP : yes

**Sanodal Deep Black MLW gran.**

Page 10(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / 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:**

**2-Methylpentane-2,4-diol:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Concentration: 1250 - 5000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Test Type: In vitro gene mutation study in mammalian cells  
Test system: mouse lymphoma cells  
Concentration: 0,16 - 10 mM  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 31,25 - 4000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Germ cell mutagenicity-  
Assessment : In vitro tests did not show mutagenic effects

**Carcinogenicity**

**Product:**

Carcinogenicity -  
Assessment : No information available.

**Components:**

**2-Methylpentane-2,4-diol:**

Carcinogenicity -  
Assessment : Not classifiable as a human carcinogen.

**Reproductive toxicity**

**Product:**

**Sanodal Deep Black MLW gran.**

Page 11(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

Reproductive toxicity - Assessment : No information available.

**Components:**

**2-Methylpentane-2,4-diol:**

Effects on fertility : Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
Dose: 200 - 500 - 1000 mg/kg  
General Toxicity - Parent: NOAEL:  $\geq$  1.000 mg/kg body weight  
General Toxicity F1: NOAEL: 500 mg/kg body weight  
Method: OECD Test Guideline 421  
GLP: yes

Effects on foetal development : Species: Rat  
Application Route: oral (gavage)  
Dose: 30 - 300 - 1000 mg/kg  
General Toxicity Maternal: NOAEL: 300 mg/kg body weight  
Teratogenicity: NOAEL: 300 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.  
Animal experiments showed mutagenic and teratogenic effects.

**STOT - single exposure**

**Product:**

Remarks : no data available

**Components:**

**2-Methylpentane-2,4-diol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**

**Product:**

Remarks : no data available

**Components:**

**2-Methylpentane-2,4-diol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Sanodal Deep Black MLW gran.**

Page 12(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

**Components:**

**2-Methylpentane-2,4-diol:**

Species : Rat, male and female  
NOAEL : 50 mg/kg  
Application Route : oral (gavage)  
Exposure time : 91 d  
Number of exposures : daily  
Dose : 50 - 150 - 450 mg/kg  
Control Group : yes  
Method : OECD Test Guideline 408  
GLP : yes

**Aspiration toxicity**

**Product:**

no data available

**Components:**

**2-Methylpentane-2,4-diol:**

No aspiration toxicity classification

**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.

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : LC0 (Oncorhynchus mykiss (rainbow trout)): > 1.000 mg/l  
Exposure time: 48 h  
Method: mod. routine bioassay method of 1.11.74

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

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

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



**Sanodal Deep Black MLW gran.**

Page 13(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

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

Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l  
End point: Bacteria toxicity (respiration inhibition)  
Method: OECD Test Guideline 209

**Components:**

**2-Methylpentane-2,4-diol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 8.690 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5.410 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: no

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 429 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to microorganisms : NOEC : ca. 200 mg/l  
End point: Growth rate  
Exposure time: 10 d  
Test Type: aquatic  
Analytical monitoring: no  
Method: Other  
GLP: no  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to fish (Chronic toxicity) : Remarks: not required

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required

Toxicity to soil dwelling organisms : Remarks: Not applicable

**Sanodal Deep Black MLW gran.**

Page 14(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

Plant toxicity : Remarks: Not applicable  
Sediment toxicity : Remarks: Not applicable  
Toxicity to terrestrial organisms : Remarks: Not applicable

**12.2 Persistence and degradability**

**Product:**

Biodegradability : Test Type: aerobic  
Concentration: 120 mg TOC/l  
Biodegradation: approximately 40 %  
Related to: TOC  
Exposure time: 14 d  
Method: HOECHST method

Biochemical Oxygen Demand (BOD) : 59 mg/g  
Incubation time: 5 d  
Method: SANDOZ internal test

Chemical Oxygen Demand (COD) : 315 mg/g  
Method: SANDOZ internal test

**Components:**

**2-Methylpentane-2,4-diol:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 2,3 mg ThOD/l  
Result: Readily biodegradable.  
Biodegradation: 81 %  
Related to: Carbon dioxide (CO<sub>2</sub>)  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
GLP: yes

Photodegradation : Test Type: air  
Rate constant:  $(1.5 \pm 0.4) \times 10^{-11} \text{ cm}^3 \text{ mol}^{-1} \text{ s}^{-1}$   
Method: see user defined free text  
GLP: no  
Remarks: Decomposes rapidly in contact with light.

**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: no data available

**Components:**

**2-Methylpentane-2,4-diol:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**Sanodal Deep Black MLW gran.**

Page 15(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

**12.4 Mobility in soil**

**Components:**

**2-Methylpentane-2,4-diol:**

Distribution among environmental compartments : Remarks: Not applicable

**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.

**Components:**

**2-Methylpentane-2,4-diol:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

**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

**Components:**

**2-Methylpentane-2,4-diol:**

Environmental fate and pathways : not available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

**Sanodal Deep Black MLW gran.**

Page 16(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

---

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

- Product : Dispose of in accordance with local regulations.  
Contaminated packaging : Consider recycling.

---

**SECTION 14: Transport information**

**Section 14.1. to 14.5.**

<b>ADR</b>	not restricted
<b>ADN</b>	not restricted
<b>RID</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

**14.6. Special precautions for user**

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.

---

**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



**Sanodal Deep Black MLW gran.**

Page 17(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

**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.

**SECTION 16: Other information**

**Full text of H-Statements**

H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.

**Full text of other abbreviations**

Eye Irrit. : Eye irritation  
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; AIIC - 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

**Sanodal Deep Black MLW gran.**

Page 18(18)

Substance key: KS8045

Revision Date: 03.06.2022

Version : 2 - 5 / EU

Date of printing : 11.12.2022

**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.

REG\_EU / EN