

Hostatint Blue A-BTR 100 ST VP 5481

Page 1(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

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

1.1. Product identifier

Trade name

Hostatint Blue A-BTR 100 ST VP 5481

Material number: 290247

Chemical nature: pigment dispersed in organic solvent

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

Relevant identified uses of the substance or mixture

Industry sector : Industrial Performance Chemicals
Paints, lacquers and varnishes industry
Polymers industry
Printing Inks Industry
Type of use : Colourant preparation

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.

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.

Hostatint Blue A-BTR 100 ST VP 5481

Page 2(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

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

Remarks : No hazardous ingredients

This substance/ mixture contains nanoforms

Components:

Nano C.I. Pigment Blue 15:

Particle characteristics

Particle Size Distribution	:	D10 = 0,023 µm ± 0,018 µm D50 = 0,035 µm ± 0,025 µm D90 = 0,050 µm ± 0,030 µm Measurement technique: TEM
Specific surface area	:	60 m ² /g ± 30 m ² /g Measurement technique: Brunauer, Emmett and Teller (BET) method using Nitrogen
Assessment	:	Assessment: This substance/ mixture contains nanoforms Total Content of Nanomaterials: 80 - 100 %
Shape	:	Shape: cubes Fraction (Weight): 5 - 100 % Measurement technique: TEM Shape: spheres Fraction (Weight): 0 - 50 % Measurement technique: TEM Shape: rods Fraction (Weight): 0 - 70 % Measurement technique: TEM
Crystallinity	:	Crystallinity: crystalline Measurement technique: X-ray Diffraction (XRD)
Surface treatment /Coatings	:	Surface treatment /Coatings: no

Hostatint Blue A-BTR 100 ST VP 5481

Page 3(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

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 : Do NOT induce vomiting.
Rinse mouth.
If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : None known.
- Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Dry powder
Carbon dioxide (CO₂)
Alcohol-resistant foam
ABC powder
- Unsuitable extinguishing media : water

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Hazardous decomposition products formed under fire conditions.
Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

- Special protective equipment for firefighters : Self-contained breathing apparatus

Hostatint Blue A-BTR 100 ST VP 5481

Page 4(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

Further information : Prevent further leakage or spillage.
Wear suitable protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.
Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.
The product should not be allowed to enter drains, water courses or the soil.

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).
Keep in suitable, closed containers for disposal.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

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 : Keep container tightly closed.
Use only in well-ventilated areas.
Take precautionary measures against static discharges.
Keep away from heat and sources of ignition.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Provide sufficient air exchange and/or exhaust in work rooms. Keep away from sources of ignition - No smoking. Store in a closed container.

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

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep tightly closed. Keep away

Hostatint Blue A-BTR 100 ST VP 5481

Page 5(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

from heat and sources of ignition.

Further information on storage conditions : Keep container tightly closed. Keep away from heat. Protect from frost. - sensitive to frost - In case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

Advice on common storage : Keep away from oxidizing agents.

Further information on storage stability : Keep away from heat.
Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s) : no data available

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
Dimethyl succinate CAS-No.: 106-65-0	Workers	Inhalation	Acute local effects	1,1 mg/m3
	Remarks:DNEL			
	Workers	Skin contact	Long-term systemic effects	6,3 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	33,5 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	1,1 mg/m3
	Remarks:DNEL			
	Workers	Skin contact	Acute systemic effects	12,6 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Acute systemic effects	67 mg/m3
	Remarks:DNEL			
Nano C.I. Pigment Blue 15 CAS-No.: 147-14-8	Workers	Inhalation	Acute local effects	10 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Long-term local effects	10 mg/m3
	Remarks:DNEL			

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

Hostatint Blue A-BTR 100 ST VP 5481

Page 6(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

Substance name	Environmental Compartment	Value
Dimethyl succinate CAS-No.: 106-65-0	Fresh water	0,05 mg/l
	Marine water	0,005 mg/l
	Water (intermittent release)	0,5 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	0,137 mg/kg dry weight (d.w.)
	Marine sediment	0,014 mg/kg dry weight (d.w.)
	Secondary Poisoning	34 mg/kg food

8.2 Exposure controls

Engineering measures

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

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection

Remarks : Impervious butyl rubber gloves 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). The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear a respirator conforming to EN140 with Type A/P2 filter or better.
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

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 : blue

Odour : Product specific

Odour Threshold : 0,1 ppm

Solidification point : 0 °C

Boiling point : 196 - 225 °C

Hostatint Blue A-BTR 100 ST VP 5481

Page 7(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

Upper explosion limit / upper flammability limit	:	< 8 %(V) Solvent
Lower explosion limit / Lower flammability limit	:	> 0,9 %(V) Solvent
Flash point	:	103 °C Method: closed cup
Auto-ignition temperature	:	370 °C Information refers to the main component.
Decomposition temperature	:	No decomposition if used as directed.
pH	:	Not applicable
Viscosity		
Viscosity, dynamic	:	200 mPa.s (23 °C)
Viscosity, kinematic	:	not determined
Solubility(ies)		
Water solubility	:	soluble
Solubility in other solvents	:	not determined
Partition coefficient: n-octanol/water	:	Not applicable
Vapour pressure	:	not determined
Relative density	:	no data available
Density	:	1,14 g/cm ³ (23 °C)
Relative vapour density	:	not determined
Particle characteristics		
Assessment	:	Assessment: This substance/ mixture contains nanoforms
Particle size	:	Further particle properties for nanomaterials see section 3

9.2 Other information

Explosives	:	no data available
Oxidizing properties	:	no data available
Flammable solids		
Burning number	:	Not applicable
Self-ignition	:	no data available

Hostatint Blue A-BTR 100 ST VP 5481

Page 8(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

Metal corrosion rate	:	no data available
Evaporation rate	:	< 0,1 Solvent
Minimum ignition energy	:	not determined
Molecular weight	:	no data available

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

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat.
Keep away from flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

No decomposition if used as directed.
No decomposition if stored normally.

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

Skin corrosion/irritation

Product:

Remarks : no data available

Hostatint Blue A-BTR 100 ST VP 5481

Page 9(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

Serious eye damage/eye irritation

Product:

Remarks : no data available

Respiratory or skin sensitisation

Product:

Remarks : no data available

Germ cell mutagenicity

Product:

Germ cell mutagenicity-
Assessment : No information available.

Carcinogenicity

Product:

Carcinogenicity -
Assessment : No information available.

Reproductive toxicity

Product:

Reproductive toxicity -
Assessment : No information available.

No information available.

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.

Aspiration toxicity

Product:

no data available

Hostatint Blue A-BTR 100 ST VP 5481

Page 10(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

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.

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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 microorganisms : Remarks: no data available

Sediment toxicity : Remarks: no data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Not applicable

Biochemical Oxygen Demand (BOD) : Remarks: no data available

Chemical Oxygen Demand (COD) : Remarks: no data available

Dissolved organic carbon (DOC) : Remarks: no data available

Physico-chemical removability : Remarks: no data available

Photodegradation : Remarks: no data available

Hostatint Blue A-BTR 100 ST VP 5481

Page 11(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Not applicable

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: 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 : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
In accordance with local and national regulations.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR not restricted

Hostatint Blue A-BTR 100 ST VP 5481

Page 12(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	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)	: Conditions of restriction for the following entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your vendor.
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.

Hostatint Blue A-BTR 100 ST VP 5481

Page 13(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

15.2 Chemical safety assessment

Not relevant

SECTION 16: Other information

Full text of other abbreviations

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

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

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



Hostatint Blue A-BTR 100 ST VP 5481

Page 14(14)

Substance key: 000000608247

Revision Date: 31.01.2023

Version : 2 - 0 / EU

Date of printing : 06.03.2023

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