

**Hostasin Red HF2B 30**

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Substance key: 000000030360

Revision Date: 01.02.2023

Version : 6 - 2 / EU

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

**1.1. Product identifier**

**Trade name**

Hostasin Red HF2B 30

**Material number:** 157841

**Chemical nature:**

C.I. Pigment Red 208 dispesed in polyolefine copolymer

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

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

Industry sector : Rubber industry

Type of use : Pigment 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)

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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.

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.

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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.

Product must be classified as a self-heating substance category 2 (H252), if it is handled in containers > 450 L.

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

**3.2 Mixtures**

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Substances with a workplace exposure limit :			
Talc (no asbestos)	14807-96-6 238-877-9		>= 1 - < 10

For explanation of abbreviations see section 16.

This substance/ mixture contains nanoforms

**Components:**

**Nano C.I. Pigment Red 208:**

Particle characteristics

- Particle Size Distribution : D10 = 0,023 µm ± 0,013 µm  
D50 = 0,028 µm ± 0,018 µm  
D90 = 0,038 µm ± 0,018 µm  
Measurement technique: TEM
- Dustiness : Number-Based Dustiness Index: 197.192 1/mg  
Measurement method: DIN EN 17199-3: Continuous drop method  
SMPS
- Number-Based Dustiness Index: 1.085 1/mg  
Measurement method: DIN EN 17199-3: Continuous drop method  
OPS
- Specific surface area : 55 m<sup>2</sup>/g ± 17 m<sup>2</sup>/g  
Measurement technique: Brunauer, Emmett and Teller (BET) method using Nitrogen
- Assessment : Assessment: This substance/ mixture contains nanoforms  
Total Content of Nanomaterials: 90 - 100 %
- Shape : Shape: spheres  
Fraction (Weight): 90 %  
Measurement technique: TEM
- Crystallinity : Crystallinity: crystalline

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Measurement technique: X-ray Diffraction (XRD)

Surface treatment : Surface treatment /Coatings: no  
/Coatings

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : Remove to fresh air.
- In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.
- In case of eye contact : Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.
- If swallowed : If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

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

- Symptoms : No symptoms known currently.
- Risks : No special measures necessary.

**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  
Foam
- Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

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

- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for firefighters**

- Special protective equipment : Self-contained breathing apparatus

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for firefighters

Further information : Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6: Accidental release measures**

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

Personal precautions : Wear suitable protective equipment.  
Keep away sources of ignition, stop running engines, no smoking.  
Moisten spilled material with water, cover with wet sand or wetted binder, then take up.

**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 : Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Use mechanical handling equipment.  
Treat recovered material as described in the section "Disposal considerations".

**6.4 Reference to other sections**

For disposal considerations see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : When used and handled appropriately no special measures are needed  
Avoid dust formation.

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Dust can form an explosive mixture in air.

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.

Dust explosion class : St1

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

Further information on storage conditions : Keep container dry.

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Keep only in the original container at temperature not exceeding 50 °C

**7.3 Specific end use(s)**

Specific use(s) : No further recommendations.

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

**8.1 Control parameters**

**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 : Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined 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 : working clothes

Respiratory protection : Wear dust mask when handling large quantities

Protective measures : Wear suitable protective equipment.

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**SECTION 9: Physical and chemical properties**

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

Physical state : Fine granules

Colour : red

Odour : not specified

Odour Threshold : not required

Softening point : > 80 °C

Boiling point : Not applicable

Flammability : Not classified as a flammability hazard

Upper explosion limit / upper : Not applicable

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flammability limit

Lower explosion limit / Lower  
flammability limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature :  $\geq 310$  °C  
The substance or mixture is not classified self-reactive.

pH : Not applicable

Viscosity

Viscosity, dynamic : Not applicable

Solubility(ies)

Water solubility : (20 °C)  
insoluble

Partition coefficient: n-  
octanol/water : not determined

Vapour pressure : Not applicable

Relative density : no data available

Density : 1,12 g/cm<sup>3</sup>

Bulk density : approx. 624 kg/m<sup>3</sup> (20 °C)

Relative vapour density : Not applicable

Particle characteristics

Assessment : Assessment: This substance/ mixture contains nanoforms

Particle size : Further particle properties for nanomaterials see section 3

**9.2 Other information**

Explosives : Not explosive  
Not explosive  
Method: Expert judgement

Oxidizing properties : The substance or mixture is not classified as oxidizing.  
Method: Expert judgement

Flammable solids

Burning number : 2  
Short flaring up without spreading

Self-ignition :  $\geq$

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230 °C

Method: VDI 2263 (Grewer)

Self-heating substances	:	< 450 cm <sup>3</sup> The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not applicable
Impact sensitivity	:	Not impact sensitive.
Dust explosion class	:	St1
Evaporation rate	:	Not applicable
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

**10.3 Possibility of hazardous reactions**

Hazardous reactions : None known.Stable

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : None.

**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

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**Components:**

**Talc (no asbestos):**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

**Product:**

Remarks : no data available

**Serious eye damage/eye irritation**

**Product:**

Remarks : no data available

**Components:**

**Talc (no asbestos):**

Species : rabbit eye  
Method : FDA guideline  
Result : No eye irritation  
GLP : no

**Respiratory or skin sensitisation**

**Product:**

Remarks : no data available

**Components:**

**Talc (no asbestos):**

Result : Does not cause skin sensitisation.  
Result : Does not cause respiratory sensitisation.

**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: no data available  
Germ cell mutagenicity-Assessment : No information available.

**Components:**

**Talc (no asbestos):**

Germ cell mutagenicity-Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.



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**Carcinogenicity**

**Product:**

Carcinogenicity - Assessment : No information available.

**Components:**

**Talc (no asbestos):**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**Reproductive toxicity**

**Product:**

Reproductive toxicity - Assessment : No information available.

**Components:**

**Talc (no asbestos):**

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

**STOT - single exposure**

**Product:**

Remarks : no data available

**Components:**

**Talc (no asbestos):**

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

**STOT - repeated exposure**

**Product:**

Remarks : no data available

**Components:**

**Talc (no asbestos):**

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

**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

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**Components:**

**Talc (no asbestos):**

Species : Rat, male and female  
NOAEL : 0,1 mg/l  
Application Route : Inhalation  
Exposure time : 5 d  
Number of exposures : 6 h/day for 5 days  
Dose : 100 mg/m<sup>3</sup>  
Control Group : yes  
Method : Other

**Aspiration toxicity**

**Product:**

no data available

**Components:**

**Talc (no asbestos):**

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.

**Experience with human exposure**

**Components:**

**Talc (no asbestos):**

General Information : Risk of infection of the lung after prolonged inhalation of dust particles.

**Further information**

**Product:**

Remarks : This information is not available.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : Remarks: no data available

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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:**

**Talc (no asbestos):**

Toxicity to fish : (Brachydanio rerio (zebrafish)): > 100.000 mg/l  
Exposure time: 96 h

**12.2 Persistence and degradability**

**Product:**

Biodegradability : Remarks: no data available

**Components:**

**Talc (no asbestos):**

Biodegradability : Remarks: Not applicable

**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: no data available

**Components:**

**Talc (no asbestos):**

Bioaccumulation : Remarks: Not applicable

**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.

**Components:**

**Talc (no asbestos):**

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Assessment : The substance is not identified as a PBT or as a vPvB substance.

**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:**

**Talc (no asbestos):**

Environmental fate and pathways : no data available

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

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**

See sections 6 to 8 of this Safety Data Sheet.

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**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**

**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

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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; KECl - 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; TECl - 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**

Other information : Observe national and local legal requirements

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