

Version number: 2.00 (replaces version: 1.00)

Revision: 28.03.2024  
Printing date: 25.02.2026

## 01 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name:  
Bayferrox Brown 600 NG
- \* • Nanoform  
Contains nanoforms.
- \* • 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation  
colouring agent  
This safety data sheet is a translation and is only for information purposes.
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Harold Scholz & Co. GmbH  
Ickerottweg 30  
D - 45665 Recklinghausen  
Phone: +49 (0) 2361 - 9888-0  
Fax: +49 (0) 2361 - 9888-833  
E-Mail: produktsicherheit@harold-scholz.de
- 1.4 Emergency telephone number:  
Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

## 02 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008  
Void
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms  
Void
- Signal word  
Void
- Hazard statements  
Void
- Additional information:  
Voluntary product information based on the safety data sheet format. This document was created to provide relevant information according to Article 32 REACH.
- \* • 2.3 Other hazards  
Possible dust explosion hazard.
- Results of PBT and vPvB 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.
- Determination of endocrine-disrupting properties  
The substance/mixture does not contain any constituents listed under REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in endocrine disrupting properties in quantities of 0.1% or more exhibit.

## 03 Composition/information on ingredients

- 3.2 Mixtures
- Description:  
mixture of pigments
- \* • Dangerous components:  
void
- Additional information:  
For the wording of the listed risk phrases refer to section 16.

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**04 First aid measures**

- 4.1 Description of first aid measures
  - General information:  
Immediately remove any clothing soiled by the product.
  - After inhalation:  
Supply fresh air; consult doctor in case of complaints.
  - After skin contact:  
Immediately rinse with water.  
If skin irritation continues, consult a doctor.
  - After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:  
If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**05 Firefighting measures**

- 5.1 Extinguishing media
  - Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture  
No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:  
No special measures required.

**06 Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures  
Avoid formation of dust.  
Wear protective clothing.
- 6.2 Environmental precautions:  
Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:  
Pick up mechanically.
- 6.4 Reference to other sections  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**07 Handling and storage**

- 7.1 Precautions for safe handling  
Store in cool, dry place in tightly closed receptacles.  
Provide suction extractors if dust is formed.  
Wash hands before eating, drinking or smoking. Do not eat, drink or smoke when using.
- Information about fire - and explosion protection:  
No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:  
Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Keep container tightly closed.
  - Information about storage in one common storage facility:  
Not required.
  - Further information about storage conditions:  
Keep container tightly sealed.  
Store in dry conditions.
  - Storage class:  
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- 7.3 Specific end use(s)

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No further relevant information available.

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## 08 Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

**1309-37-1 C.I. Pigment Red 101**

**AGW (D)**

Long-term value	1,25* 10**	mg/m3
2(II);*alveolengängig**einatembar; AGS, DFG, Y		

**1317-61-9 C.I. Pigment Black 11**

**TRGS (D)**

Long-term value	1,25* 10**	mg/m3
2(II);*alveolengängig **einatembar; AGS, DFG, Y		

- DNELs

**1309-37-1 C.I. Pigment Red 101**

Inhalative, DNEL: 10\* mg/m3 (human being) (\*systemic+local)

**1317-61-9 C.I. Pigment Black 11**

Inhalative, DNEL: 10\* mg/m3 (human being) (\*systemic+local)

- Additional information:

The lists valid during the making were used as basis.

- 8.2 Exposure controls
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection:  
Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye/face protection  
Safety glasses
- Body protection:  
Protective work clothing

## 09 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Physical state</b>	Solid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>Flammability</b>	Not determined.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.

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<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	at 20,00 °C 5,0 - 10,0 ( 50,000 g/l water)
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>Dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>water:</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Vapour density</b>	Not applicable.
* <b>Particle characteristics</b>	See Section 3.
<b>9.2 Other information</b>	No further relevant information available.
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Auto-ignition temperature:</b>	Not determined.

## 10 Stability and reactivity

- 10.1 Reactivity  
No further relevant information available.
- 10.2 Chemical stability  
Stable under recommended storage and handling conditions (see Section 7).
- 10.3 Possibility of hazardous reactions  
No dangerous reactions known.
- 10.4 Conditions to avoid  
No further relevant information available.
- 10.5 Incompatible materials:  
No further relevant information available.
- 10.6 Hazardous decomposition products:  
No dangerous decomposition products known.

## 11 Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity  
Based on available data, the classification criteria are not met.
- Primary irritant effect:
- Skin corrosion/irritation  
No irritant effect.
- Serious eye damage/irritation  
No irritating effect.
- Respiratory or skin sensitisation  
No sensitising effects known.
- Germ cell mutagenicity  
Based on available data, the classification criteria are not met.
- Carcinogenicity  
Based on available data, the classification criteria are not met.
- Reproductive toxicity  
Based on available data, the classification criteria are not met.
- STOT-single exposure  
Based on available data, the classification criteria are not met.
- STOT-repeated exposure  
Based on available data, the classification criteria are not met.
- Aspiration hazard  
Based on available data, the classification criteria are not met.
- Additional toxicological information:  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)  
Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards
- Endocrine disrupting properties  
The substance/mixture does not contain any constituents listed under REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in endocrine disrupting properties in quantities of 0.1% or more exhibit.

**12 Ecological information**

- 12.1 Toxicity
- Aquatic toxicity:  
No further relevant information available.
- 12.2 Persistence and degradability  
No further relevant information available.
- 12.3 Bioaccumulative potential  
No further relevant information available.
- 12.4 Mobility in soil  
No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT:  
Not applicable.
- vPvB:  
Not applicable.
- 12.6 Endocrine disrupting properties  
For information on endocrine disrupting properties see section 2.
- 12.7 Other adverse effects  
No further relevant information available.
- Additional ecological information:
- General notes:  
Not known to be hazardous to water.

**13 Disposal considerations**

- 13.1 Waste treatment methods
- Recommendation  
Disposal must be made according to official regulations.  
Do not allow product to reach ground water, water course or sewage system.
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.
- Recommended cleansing agents:  
Water, if necessary together with cleansing agents.

**14 Transport information**

- 14.1 UN number or ID number
  - . ADR Void
  - . IMDG Void
  - . IATA Void
- 14.2 UN proper shipping name
  - . ADR Void
  - . IMDG Void
  - . IATA Void
- 14.3 Transport hazard class(es)
  - . ADR
  - . Class Void
  - . IMDG
  - . Class Void

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- . IATA
- . Class Void
- 14.4 Packing group
- . ADR Void
- . IMDG Void
- . IATA Void
- 14.5 Environmental hazards:  
Not applicable.
- 14.6 Special precautions for user  
Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments  
Not applicable.
- Transport/Additional information:  
Not applicable.

**15 Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Waterhazard class:  
Generally not hazardous for water.
- 15.2 Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:  
Product Safety Department E-Mail: produktsicherheit@harold-scholz.de
- \* • Date of previous version:  
20.03.2023
- \* • Version number of previous version:  
1.00
- \* • Abbreviations and acronyms:  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative
- \* Data compared to the previous version altered.