

# SAFETY DATA SHEET

## BAYFERROX 420



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### SECTION 1. IDENTIFICATION

Product name : BAYFERROX 420

Material number : 00528234

Chemical family : inorganic

Recommended use : Colorants (pigments and dyestuffs), inorganic

#### Manufacturer or supplier's details

Supplier : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
PittsburghPA 15275-1112  
USA

Telephone : +1800LANXESS  
+14128091000 (international)

Emergency telephone : CHEMTREC (800) 424 9300  
International (703) 527 3887  
Lanxess Emergency Phone (800) 410-3063

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### SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).**

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Hazard Not Otherwise Classified (HNOC)

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : FeO(OH)

CAS-No. : 51274-00-1

#### Hazardous ingredients

No hazardous ingredients

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### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.  
Get medical attention if symptoms occur.

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In case of skin contact : No special actions required.

In case of eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
If easy to do, remove contact lens, if worn.  
Continue to rinse for at least 10 minutes.  
Get medical attention if symptoms appear.

If swallowed : Get medical attention if symptoms occur.

### Most important symptoms and effects, both acute and delayed

Symptoms : Skin: May cause irritation with symptoms of reddening and itching.  
Eye: May cause irritation with symptoms of reddening, tearing and stinging.

Effects : May cause mechanical irritation (abrasion).

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

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## SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : No information available.

Hazardous combustion products : The product itself does not burn.

Further information : Standard procedure for chemical fires.  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection : No action shall be taken involving any personal risk or without

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| tive equipment and emergency procedures               |   | suitable training.<br>Keep unnecessary and unprotected personnel from entering.<br>Avoid breathing dust.<br>Use personal protective equipment.<br>Avoid dust formation.          |
| Environmental precautions                             | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  |
| Methods and materials for containment and cleaning up | : | Move containers from spill area.<br>Vacuum or sweep up material and place in a designated, labeled waste container.<br>Dispose of wastes in an approved waste disposal facility. |

### SECTION 7. HANDLING AND STORAGE

- |  |   |   |
|--|---|---|
| Advice on safe handling                  | : | For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br><br>Workers should wash hands and face before eating, drinking and smoking.   |
| Conditions for safe storage              | : | Store in accordance with local regulations.<br>Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.<br>Keep containers tightly closed in a dry, cool and well-ventilated place.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Further information on storage stability | : | No decomposition if stored and applied as directed.<br><br>Keep in a dry place.   |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : This information is not available.

#### Personal protective equipment

Respiratory protection : Dust-protection mask if there is a risk of dust formation.

Hand protection  
Material : Gloves

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Eye protection	: Safety glasses with side-shields
Skin and body protection	: Wear suitable protective clothing.
Hygiene measures	: General industrial hygiene practice. When using do not eat, drink or smoke. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reusing.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Appearance	: powder
Color	: yellow
Odor	: odorless
Odor Threshold	: No data available
pH	: 3.5 - 7.5 Concentration: 5 %
Melting point/range	: > 1,832 °F (> 1,000 °C)
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Density	: 4 g/cm <sup>3</sup> (68 °F (20 °C))
Bulk density	: 300 - 1,000 kg/m <sup>3</sup>
Solubility(ies) Water solubility	: insoluble

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Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	356 °F (180 °C)
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Dust may form explosive mixture in air.
Conditions to avoid	:	No data available
Incompatible materials	:	No specific data.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

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### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

##### **IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### **NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified based on available information.

#### **STOT-single exposure**

Not classified based on available information.

#### **STOT-repeated exposure**

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks: No data available

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

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### Other adverse effects

#### Product:

Additional ecological information : Ecotoxicological data are not available.  
No known significant effects or critical hazards.

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## SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods : The generation of waste should be avoided or minimized wherever possible.  
This material and its container must be disposed of in a safe way.  
Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

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## SECTION 14. TRANSPORT INFORMATION

### Domestic regulation

#### **DOT**

Not regulated as a dangerous good

### International Regulations

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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## SECTION 15. REGULATORY INFORMATION

### **CERCLA**

None

### **Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

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### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

### **SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **US State Regulations**

#### **Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

#### **Pennsylvania Right To Know**

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#### **California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL).

#### **TSCA inventory**

TSCA : On TSCA Inventory

#### **TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.



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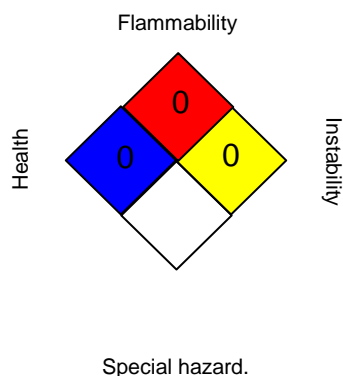


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### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

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This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.