

# SAFETY DATA SHEET

## BAYFERROX TP 5277



Version 1.0      Revision Date: 04/12/2018      SDS Number: 103000020018      Date of previous issue: 02/02/2018  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : BAYFERROX TP 5277  
Material number : 58155367  
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  
CAS-No. : Not Assigned

#### 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.  
In case of skin contact : No special actions required.

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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 : 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).

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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.

Hazardous combustion products : Metal oxides

The product itself does not burn.

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.  
Keep unnecessary and unprotected personnel from entering.  
Avoid breathing dust.  
Use personal protective equipment.  
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.  
Vacuum or sweep up material and place in a designated, la-

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beled waste container.  
Dispose of wastes in an approved waste disposal facility.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Workers should wash hands and face before eating, drinking and smoking.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.
- Further information on storage stability : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Iron (III) Oxide	1309-37-1	TWA (Respirable fraction)	5 mg/m <sup>3</sup>	ACGIH
		TWA (Fumes)	10 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1

**Personal protective equipment**

- Respiratory protection : Dust-protection mask if there is a risk of dust formation.
- Hand protection  
Material : Gloves
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear suitable protective clothing and gloves.
- Hygiene measures : When using do not eat, drink or smoke.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wash contaminated clothing before reusing.  
General industrial hygiene practice.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Solid form, powder

Color : red

Odor : odorless

Odor Threshold : No data available

pH : 4.5 - 6.5  
Concentration: 5 %

Melting point/freezing point : No data available

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 : 5 g/cm<sup>3</sup>

Bulk density : 1,000 kg/m<sup>3</sup>

Solubility(ies)  
Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

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Oxidizing properties : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.  
Chemical stability : The product is stable.  
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Conditions to avoid : No data available  
Incompatible materials : No specific data.  
Materials to avoid : No materials to be especially mentioned.  
Hazardous decomposition products : No data available

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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

**Acute toxicity**

Not classified based on available information.

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**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.

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**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.

**Repeated dose toxicity**

**Product:**  
Remarks: Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis". This condition is not associated with any physical impairment of lung function.

**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

**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**

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**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.

#### 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.

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**US State Regulations**

**Massachusetts Right To Know**

Iron (III) Oxide      1309-37-1      90 - 100

**Pennsylvania Right To Know**

Iron (III) Oxide      1309-37-1      90 - 100

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, 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**

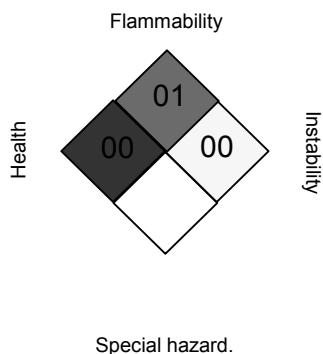
No substances are subject to a Significant New Use Rule.

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

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA:**



**HMIS® IV:**

HEALTH	//	00
FLAMMABILITY		01
PHYSICAL HAZARD		00

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



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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.