



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/7

## Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

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

#### 1.1. Product identifier

Product name	Hemoglobin Powder
CAS No.	9008-02-0
Product code	NCM0234, 7195

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent;
-------------	---

#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

#### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
----------------------------	----------------

#### Further information

Manufactured By:	Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	The product is classified as non hazardous.
-----------------------------	---

#### 2.2. Label elements

	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation).
--	--

#### 2.3. Other hazards

Other hazards	This product is not identified as a PBT substance.
---------------	--

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

No Significant Hazard.

### 3.2. Mixtures

Not applicable.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Ingestion	Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Alcohol resistant foam, Powder.

### 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No precautions required to be mentioned.

### 6.2. Environmental precautions

Do not empty into drains; dispose of this material and its container in a safe way.

### 6.3. Methods and material for containment and cleaning up

Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.

### 6.4. Reference to other sections

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

## 6.4. Reference to other sections

See section 8 & 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 2 °C and 30 °C. Keep only in the original container. Keep container tightly closed and dry. Protect from moisture.

### 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

### 8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Not normally required. Use as appropriate:.

Eye / face protection

safety glasses with side-shields.

Skin protection - Hand protection

Chemical resistant gloves.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

No data is available on this product.

8.2.3. Environmental exposure controls

Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Powder
<b>Color</b>	Dark brown
<b>Odor</b>	Characteristic
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	7.8 - 8.6
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	No data available

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	Not applicable.
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions. See section 7 for further information.
--	--

### 10.2. Chemical stability

	Will not decompose if stored and used as recommended.
--	---

### 10.3. Possibility of hazardous reactions

	No precautions required to be mentioned. Stable under normal conditions.
--	--

### 10.4. Conditions to avoid

	No precautions required to be mentioned.
--	--

### 10.5. Incompatible materials

	No precautions required to be mentioned.
--	--

### 10.6. Hazardous decomposition products

	Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke.
--	---

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product. See section 3 for further information.
Skin corrosion/irritation	May cause irritation to skin. See section 3 for further information.
Serious eye damage/irritation	May cause irritation to eyes. See section 3 for further information.
Respiratory or skin sensitisation	May cause sensitization by inhalation and skin contact. See section 3 for further information.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product. See section 3 for further information.
Repeated or prolonged exposure	No data is available on this product. See section 3 for further information.

### 11.1.2. Mixtures

	See section 3 for further information.
--	--

### 11.1.3. Hazard Information

	See section 3 for further information.
--	--

### 11.1.4. Toxicological information

	No data available
	No data is available on this product.

### 11.1.5. Hazard Class

	No Significant Hazard.
--	------------------------

### 11.1.6. Classification Criteria

	Not applicable.
--	-----------------

### 11.1.7. Information on likely routes of exposure

	Skin contact. Inhalation.
--	---------------------------

### 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data is available on this product.
--	---------------------------------------

### 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data is available on this product.
--	---------------------------------------

### 11.1.10. Interactive effects

	No data is available on this product.
--	---------------------------------------

### 11.1.11. Absence of specific data

	No data available.
--	--------------------

### 11.1.12. Mixture versus substance information

	Not applicable.
--	-----------------

### 11.1.13. Other information

	Not applicable.
--	-----------------

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

**Hemoglobin Powder** No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

### Disposal methods

Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.

### Disposal of packaging

Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations. Do NOT reuse empty containers.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

# Hemoglobin Powder

Revision 1  
Revision date 2019-04-01

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

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
--------------------	---

### 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

### Other information

<b>Revision</b>	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> <li>1 - CAS No.</li> <li>1 - EC No.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Color).</li> <li>9 - 9.1. Information on basic physical and chemical properties (PH).</li> </ul>