

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: HAEMOGLOBIN POWDER

CAS#: 9008-02-0

Synonym:

Chemical Name: Not available.

Chemical Formula:

Molecular Weight:

Composition and Information on Ingredients

Name	S.K.U	% by Weight
HAEMOGLOBIN POWDER	GCS-7604	100

Hazards Identification

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards : – none

First Aid Measures

Description of first aid measures:

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact:

Wash off with soap and plenty of water.

In case of eye contact:

Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water

Most important symptoms and effects, both acute and delayed:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.

Indication of any immediate medical attention and special treatment needed:

No data available

Fire and Explosion Data

Extinguishing media:

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

No data available

Advice for firefighters:

Wear self-contained breathing apparatus for fire- fighting if necessary.

Further information:

No data available.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections:

For disposal see section 13.

Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C

Specific end uses:

No data available.

Exposure Controls/Personal Protection

Control parameters

Components with workplace

control parameters Exposure
controls

Appropriate engineering controls

General industrial hygiene practice.

Personal

protective

equipment

Eye/face

protection

Use equipment for eye protection tested and approved under appropriate government standards Such as NIOSH (US) or EN 166(EU).

Skin protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and The standard EN 374 derived from it.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form: powder, lyophilized

b) Odour no data available

- c) Odour Threshold no data available
- d) pH no data available
- e) Melting point/freezing point: no data available
- f) Initial boiling point and boiling range: no data available
- g) Flash point no data available
- h) Evaporation rate no data available
- i) Flammability (solid, gas) no data available
- j) Upper/lower flammability or explosive limits: no data available
- k) Vapour pressure no data available
- l) Vapour density no data available
- m) Relative density no data available
- n) Water solubility no data available
- o) Partition coefficient: octanol/ water: no data available
- p) Auto ignition temperature; no data available
- q) Decomposition temperature: no data available
- r) Viscosity no data available
- s) Explosive properties no data available
- t) Oxidizing properties no data available

Other safety information: no data available

a)

Stability and Reactivity Data

Reactivity
no data available

Chemical stability
no data available

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Incompatible materials
Strong oxidizing agents

Hazardous decomposition products
Other decomposition products - no data available

Toxicological Information

Information on toxicological effects
Acute toxicity
LD50 Oral - rat - 400 mg/kg
Skin corrosion/irritation Causes

skin burns
Serious eye
damage/eye
irritation
Eyes - rabbit
Serious eye
damage/eye
irritation
Eyes - rabbit
Result: Severe eye irritation
Respiratory or skin sensitisation No data available
Germ cell mutagenicity
Hamster Embryo
Sister chromatid exchange

Carcinogenicity

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

R
e
p
r
o
d
u
c
t
i
v
e

t
o
x
i
c
i
t
y
n
o

d
a
t
a

a
v
a
i
l
a
b
l
e

Specific target organ toxicity -
single exposure
no data available

Specific target organ toxicity -
repeated exposure
no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information Additional Information

RTECS: Not Available

Toxicological Data on Ingredients:: Not available.

Ecological Information

Toxicity: no data available.

Persistence and degradability: no data available.

Bio accumulative potential: no data available.

Mobility in soil: no data available.

Results of PBT and vPvB assessment: no data available.

Other adverse effects: no data available.

Disposal Considerations

Waste treatment methods:

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated

Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

Chemical Safety Assessment

no data available

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which

the information refers. Accordingly,  will not be responsible for damages resulting from use of or reliance upon this information.