

SAFETY DATA SHEET

(Reach Regulation (EC) NO 1907/2006)

SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking**1.1. Product identifier**

- Product name: **Bone Marrow Growth Supplement**
- Product code: **GGS-JL002**
- Pack size: **20ml stock solution (SS refers to this pack size unless otherwise stated)**
- REACH: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Laboratory chemicals, Manufacture of substances

Bone Marrow Growth Supplement

Is a media additive that greatly improves cell growth and cytogenetic morphology in bone marrow cultures by exposing these cells to growth factors that are known growth promoters. The additive is also effective with difficult-to-grow solid tumours, lymphomas and products of conception.

Bone Marrow Growth Supplement

Has a marked stimulatory effect on bone marrow cells. It is a complex mixture of growth factors dissolved in DMEM containing FCS.

Advantages that will be seen in bone marrow cultures are the following:

- A significant improvement in cell growth, even in very poor samples
- Improved morphology and GTG banding
- A decrease in turn-around times

1.3. Details of the supplier of the safety data sheet

- Registered company name: Genial Helix Limited
- Address: Genial Helix, CoWorkz Business Centre, Minerva Avenue, Off Sovereign Way, Chester, Flintshire, CH1 4QL, U.K.
- Telephone: +44 (0)1244 757 155
- Email: info@genialhelix.com
- Website: www.genialhelix.com

1.4. Emergency telephone number: +44 (0)1244 757 155

- Emergency Response Organisation: Genial Helix Limited | www.genialhelix.com

SECTION 2: Hazards Identification**2.1. Classification of the substance or mixture in compliance with EC regulation No. 1272/2008 and its amendments.**

- Skin irritation (Category 2), H315
- Specific target organ toxicity – single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements**Labelling in compliance with EC regulation No. 1272/2008 and its amendments**

Pictograms:



Single Word:

Warning

Hazard statement(s)
H315

Causes skin irritation



H335	May cause respiratory irritation
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P302 + P352	IF ON SKIN: Wash with plenty of water
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
Supplement Hazard Statements	None

Reduced Labelling (<= 125ml)

Pictograms:



Single Word:	Warning
Hazard statement(s)	
H315	Causes skin irritation
Precautionary statement(s).	
P264 + P280	Wash skin thoroughly after handling. Wash skin thoroughly after handling.
Supplement Hazard Statements	None

- 2.3. Other Hazards
- The 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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous ingredients according to Regulation (EC) No 1272/2008	
Component	Classification
Phenol Red	
CAS-No. 143-74-8 EC-No. 205-609-7	Skin Irrit. 2; STOT SE 3; H315, H335

For the full text of the H-Statements mentioned in the Section, see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance

If inhaled
If breathed in, move person into fresh air.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses.

If swallowed

After swallowing: Immediately make victim drink water (two glasses at most). Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/ or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/ mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide

Sulfur dioxide

Combustible

Risk of dust explosion

Development of hazardous combustion gasses or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping safe distance or by wearing suitable protective clothing.

5.4 Further information

Suppress (knock down) gasses/ vapours/ mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or ground water system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and materials for containing and cleaning up

Contain spillage, and then collect. Wear a lab coat and rubber gloves, wipe with paper tissues and keep in suitable container for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities**Store conditions**

At 4°C in a refrigerator in a dark container. Keep lid tightly closed. Dry. Correctly stored, the product is stable for up to 12 months.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values

8.2 Exposure controls**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

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. The selected protective gloves have to satisfy the specifications of standard EN 374 derived from it. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Body Protection

Protective clothing

Respiratory protection

Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended filter type: Filter type P2

The user has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposures

Do not let product enter drains

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

a)	Appearance	Form: Liquid (clear, pink/red)
b)	Odour	Odourless
c)	Odour Threshold	No data available
d)	pH	7.2 – 7.4
e)	Melting point/ freezing Point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	N/A
h)	Evaporation rate	N/A
i)	Flammability (liquid)	Non-Flammable
j)	Upper/lower flammability or explosive limits	N/A
k)	Vapour pressure	As of water (0.3 atm)
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	Soluble
o)	Partition coefficient: N octanol/water	No data available
p)	Auto-ignition temperature	N/A
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	Nil

t) Oxidizing properties Nil

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions

10.3 Possibility of hazardous reactions
Violent reactions possible with:
Oxidizing agents

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidising agents

10.6 Hazardous decomposition products
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/ irritation
Causes skin irritation

Serious eye damage/ eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity – single exposure
May cause respiratory irritation

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

Additional information
RTECS: Not available

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

SECTION 12: Ecological information



- ## SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Leave chemicals in original containers. No mixing with other substances. Handle uncleaned containers like product itself.

Use approved government contractor.

Observe all International, National, State and Local environmental laws.

SECTION 14: Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ARD/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the substances or mixture

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

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation

H335 May cause respiratory irritation

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Genial Helix Ltd and its Affiliates will not be held liable for any damage resulting from handling or from contact with the above product.
