



DATA SHEET

1. Name of substance and manufacturer/supplier:

1.1 Trade name: FBS Superior; standardized Fetal Bovine Serum, EU-approved

Cat.-no.: S 0613 / S 0615

2. Physical/chemical characteristics/ingredients:

No known hazardous components.

CAS-No.: not available

3. Precautionary measures:

the general precautionary measures about the use of chemicals have to be considered

3.1 Hazardous ingredients:

This product is a potential irritant to eyes, respiratory system, and skin. This product may also be harmful if ingested. Complete toxicological properties have not yet been determined.

Absorbed through skin, eye contact, inhalation, and ingestion.

Eye: may cause eye irritation.

Skin: may cause skin irritation.

Inhalation : may be harmful if inhaled; material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: may be harmful if swallowed.

4. Emergency / First Aid:

4.1 Eye contact:

Flush thoroughly with water, call a physician.



4.2 Skin contact:	Immediately wash skin with soap and plenty of water. Should irritation occur, call a physician.
4.3 Ingestion:	If swallowed, wash out mouth with water. In case of indisposition seek a physician immediately.
4.4 Inhalation:	If inhaled, remove person to fresh air. If breathing becomes difficult call a physician.
4.5 Puncture wounds:	Wash thoroughly with soap and water. Allow to bleed freely. Call a physician.
4.5 Note to physician:	Not available.

5. Precautions for fire fighting:

5.1 Fire extinguisher media:	No restriction
-------------------------------------	----------------

6. Precautions for unintentional release:

6.1 Precautions for spilling:	Wear chemical-resistant gloves. Absorb spill and place in closed container for disposal. Ventilate and wash area thoroughly after clean-up is complete.
6.2 Binder:	No restriction

Special precautions to restrict damage are not necessary

7. Storage and handling:

7.1 Handling:	Should be handled by trained personnel observing good laboratory practices. Avoid breathing vapour. Avoid skin contact or swallowing. May cause allergic reaction in sensitized individuals.
7.2 Storage:	To be stored at -20°C

8. Exposition of restriction and personal protective clothes.

- 8.1 MAK-value: None
- 8.2 Breathing protection: Use with adequate ventilation. This is a laboratory-use product for which no industrial protective equipment has been designated.
- 8.3 Eye protection: Safety glasses.
- 8.4 Hand protection: Protective gloves, wear lab coat. Before breaks and after finishing work, hands need to be washed.

9. Physical/chemical characteristics:

- 9.1 Appearance: Liquid
- 9.2 Colour: Clear, amber
- 9.3 Odour: Serum typical
- 9.4 pH-value: 6.4 – 8.2
- 9.5 Boiling point:
- 9.6 Melting point:
- 9.7 Blazing point:
- 9.8 Ignition temperature:
- 9.9 Explosion pressure:
- 9.10 Evaporation rate:
- 9.11 Density:
- 9.12 Solubility in water: Soluble
in viscosity:

10. Stability and reactivity:

- 10.1 Hazardous reaction: Not known if used as advised
- 10.2 Hazardous decomposition products: None

11. Information to toxicology:

- 11.1 LD50 oral: Not known

11.2 LD50: Not known
11.3 LD50 dermal: Not known
11.4 LD50 inhalativ: Not known

12. Information to ecology:

12.1 Water-hazardous-
classification: 0 (Selfassessment)

13. Information for disposal:

Disposal should be in accordance with existing practices at your institution. Observe all Federal, Provincial/State and Local Laws.

14. Information to transport

14.1 GGVE/GGVS: 14.4 RID/ADR:
14.2 ICAO/IATA-DGR: 14.5 Un-No.:
14.3 GGVSee/IMDG-CODE: 14.6 MFAG:
14.7 EMS:

Does not apply to the current regulations for dangerous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. Regulations:

According to EU directives it is not necessary to declare this product as hazardous material

16. Special note:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.
For *in vitro*-use only.