Material Safety Data Sheet

Date of issue: 17.01.2007 Supersendes edition of: 24.08.2004

1. Chemical Product and Company Identification

Trade name: Vivaglobin®

Common name: Human normal immunoglobulin

Manufacturer: CSL Behring GmbH

Emil-von-Behring Straße 76

35041 Marburg

Germany

Tel: +49 (64 21) 39-0

Emergency telephone No.: Please contact the regional CSL Behring

representation in your country

2. Composition / Information on Ingredients

Material: Medicinal product derived from human plasma

Active ingredient: Human normal immunoglobulin

(non hazardous component)

Other components: Aminoacetic acid (glycin), sodium chloride (non Hazard

compument)

Packaging units: EU: Pack with 5 ml ampoule(s) or 10 ml injection vial(s)

US: Pack with 3,10 or 20 ml injection vial(s)

3. Potential Hazards

No hazardous product according to guideline 67/548/EWG.

4. First Aid Measures

General

Take off and remove dirty clothes

Inhalation

Not applicable

Skin Contact

Wash off with water

Eye Contact

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Flush thoroughly with copious amounts of water. In case of enduring disorders seek medical advice.

Ingestion

Drink water

5. Fire Fighting Measures

Extinguishing Media

Water or any medium suitable for extinguishing

Special hazards caused by the product, by its combustion products or by developing gases

Not applicable

6. Accidental Release Measures

Personal Measures

General precautions for handling of pharmaceuticals are to be considered

Environmental Measures

No environmental hazard known

Purification / Absorption

Collect/adsorb spilled material and dispose properly

Dispose the absorbent material

7. Handling and Storage

General

General precautions for handling of pharmaceuticals are to be considered.

Storage Information

Keep container closed tightly

Store and transport at +2 to +8 °C

Do not freeze

Store locked up or accessible for authorized persons or their representatives only

8. Exposure Controls / Personal Protection

Respiratory Protection

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Not required

Hand Protection

Not applicable

Eye Protection

Not applicable

Hygienic Measures

Do not drink and eat at work

Take off dirty clothes

Wash hands immediately after work

9. Physical and Chemical Properties

Physical state	Colour	Smell
liquid	colourless	None
Molecular weight	about 150 KD	
Melting Point	Not applicable (Decomposition	on)
Refraction index	Not applicable	
Water Solubility	Readily soluble	
рН	6.4 - 7.2	

10. Stability and Reactivity

Conditions to avoid

Storage temperature must not fall below +2°C and not exceed +8°C

Hazard Decomposition Product

None

11. Toxicological Information

All product components are considered to be non hazardous. The product is intended for subcutaneous or intramuscular application only, therefore no oral, dermal or inhalation toxicity studies have been performed.

Single dose studies:

Acute toxicity studies were performed in rodents (mice, rats) with single i.m. and s.c. injection. In the i.m. studies mice were administered with a dose up to 8 g/kg and rats with a dose up to 1.6 g/kg b.w.. In the s.c. studies both (mice and rats) were administered with a dose of 600 mg/kg b.w.. No relevant toxic findings were observed in these studies.

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Local tolerance:

Rabbits were injected with 0.5 mL (80 mg/rabbit) i.m. or s.c.. The substance was regarded as local tolerable after s.c. and i.m. injection.

Safety Pharmacology

Dogs were injected i.m. at a maximal dose of 480 mg/kg (3 mL/kg) b.w.. No relevant adverse effect was observed.

In a further study dogs were injected s.c. at a maximal dose of 400 mg/kg (2.5 mL/kg b.w.). No relevant, adverse effects were caused by the s.c. treatment.

Neoantigenicity

No evidence for the generation of a neoepitope was detected in a rabbit/guinea pig study.

12. Ecological Information

The nature as human plasma protein does not provide any risk for the environment (water, soil, air).

13. Disposal Consideration

This material should be disposed off in accordance with local, state and / federal regulations. Not classified as Hazardous waste.

EWC-Code: 180109 (070599)

14. Transport Information

Proper shipping name: Not regulated

Hazard class: Not required

This material is not regulated by US-DOT and European Transport regulations. A copy of this Material Safety Data Sheet should accompany shipments of this material.

15. Regulatory Information

No hazardous product according to guideline 67/548/EWG.

The product has been licensed as Drug in several countries worldwide since 1992

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16. Other Information

The information provided in this Material Safety Data Sheet has been compiled from our experience and the data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adaptation of safety precautions as may be necessary. We reserve the right to revise the Material Safety Data Sheets from time to time as new information becomes available. The user has the responsibility to contact the company to make sure the sheet is the latest one issued.

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