

MATERIAL SAFETY DATA SHEET

Immunosorb A

1. Product and Company Information

Product Name:	Immunosorb A
Product Number	10-1257
Synonyms:	N/A
Manufacturer:	Medicago AB Danmark Berga 755 98 Uppsala Sweden
Phone No	Phone: +46 (0) 18 56 11 80
Fax	Fax: +46 (0) 18 56 11 88
Emergency Phone:	112 (Sweden)

2. Hazards Identification

Human health hazards:

Immunosorb A contains Protein A, which is not classified as hazardous, according to the European directives 67/548/ECC.

Ethanol is added as a preservative and is at working concentrations not hazardous.

Risk and safety statements: None

3. Composition/Information on Ingredients

Ingredient name	CAS #	EC #	Percent	Symbol
1. Protein A	None	None	~80 %	None
2. Ethanol	None	None	~20 %	F - flammable

4. First-Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and water.

AFTER EYE CONTACT

In case of contact, immediately flush eyes with water.

AFTER INGESTION

If swallowed, rinse mouth with water.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder or alcohol resistant foam.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Avoid dust formation.

METHODS FOR CLEANING UP

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

7. Handling and Storage

HANDLING

Provide exhaust ventilation at places where dust can be formed.

STORAGE

Keep tightly closed at 2°C to 8°C.

8. Exposure Controls/Personal Protection



PERSONAL PROTECTIVE EQUIPMENT

Respiratory: No special equipment required

Hands: Protective gloves.

Eyes: Safety glasses

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

9. Physical and Chemical Properties

Appearance/Physical state	Liquid
Colour:	Colourless
Odor	Odorless
Freezing Point	no data available
Autoignition Temp	no data available
Explosion Limits	no data available
Melting point	no data available
SG/Density	N/A
Viscosity	N/A
Vapor Density	N/A
Bulk Density	N/A
Water Content	N/A
Flammability	N/A
Solubility	Soluble in water

10. Stability and Reactivity

STABILITY

Stable.

HAZARDOUS DECOMPOSITION PRODUCTS

None

HAZARDOUS POLYMERIZATION

Will not occur

11. Toxicological Information

Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage: no data available
Respiratory or skin sensitization: Prolonged or repeated exposure can cause irritation.
Germ cell mutagenicity: no data available
Carcinogenicity: IARC – not considered carcinogenic.
Reproductive toxicity: no data available
Target organs: no data available

Potential health effects:

Skin Contact: May be harmful if absorbed through skin. May cause irritation.
Eye Contact: May cause irritation
Inhalation: May not be harmful
Ingestion: May be harmful if swallowed

12. Ecological Information

The ecological effects have not been thoroughly investigated, but currently none have been identified.

13. Disposal Considerations

SUBSTANCE DISPOSAL

Must be disposed according to federal, state, and local environmental regulations.

14. Transport Information

RID/ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

15. Regulatory Information

CLASSIFICATION AND LABELLING ACCORDING TO EU DIRECTIVES:

None

16. Other Information

REVISION DATE: 2010-11-02

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

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. Medicago AB, Sweden shall not be held liable for any damage resulting from handling or from contact with the above product.