

1-Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Avidin

CAS Number 1405-69-2

Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the preparation Medical devices and pharmaceutical industry

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

e-Proteins SPRL

2 Rue des Praules 5030 Gembloux Belgium

Tel : +32 81 601 620

Fax : +32 81 601 620

Emergency telephone number: e-Proteins Direct: 0477 487 343 / e-mail jco@e-proteins.com

2-Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment: Not applicable.

Additional information:

The substance is extracted from hen egg albumen. If you are allergic to egg, please take precautions when manipulating the substance

Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard-determining components of labelling: Void

Hazard statements Void

Additional information:

The substance is extracted from hen egg albumen. If you are allergic to egg, please take precautions when manipulating the substance

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3-Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description 1405-69-2 Avidin

4-First aid measures

Description of first aid measures

General information: No special measures required.

After excessive inhalation: Supply fresh air; consult a doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult a doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5-Firefighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6-Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment. See Section 13 for disposal information.

7-Handling and storage

Handling:

Precautions for safe handling No special measures required.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s) No further relevant information available.

8-Exposure controls/personal

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information:

As a basis for the production of this document, the most current valid lists were used.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

The substance is extracted from hen egg albumen. If you are allergic to egg, please wear FFP2 protective mask when handling the substance

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Gloves material :

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection: Not required.

10-Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

PowderForm:

White Colour:

Odourless· Odour: Not determined.· Odour threshold:

pH-value: Not applicable.

Change in condition

Melting point/Melting range: Undetermined

Boiling point/Boiling range Undetermined

Flash point: Not applicable

Flammability (solid, gaseous): Product is not flammable

Ignition temperature: Not applicable.

Decomposition temperature: Not determined.

Self-igniting: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits: Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not applicable

Density: Not determined.

Relative density: Not determined.

Vapour density: Not applicable

Evaporation rate: Not applicable

Solubility in / Miscibility with water: Soluble

Segregation coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not applicable

Kinematic: Not applicable

Other information: No further relevant information available.

10-Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

11-Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12-Ecological information

Toxicity

Acquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13-Disposal considerations

Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14-Transport information

Land transport ADR/RID (cross-border) :

ADR/RID class: -

Maritime transport IMDG:

-- IMDG Class:

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

UN "Model Regulation": -

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15-Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16-Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)