

Safety Data Sheet

Section 1: Chemical Product and Company Identification

Chemical Name (Chinese): beta -淀粉样多肽- 42

Chemical Name (English): Amyloid β -A-Peptide (1-42) (human)

Product Number: abs45128173

Company Name: Absin Bioscience (Shanghai) Co., Ltd.

Company Address: Building 18, No. 58, Xinhao Road, Pudong New Area, Shanghai

Telephone: 021-38015121

Email Address: www.absin.cn

Recommended and Restricted Use: For industrial and research purposes only.

Section 2: Hazards Identification

Emergency Overview:

None.

GHS Hazard Category:

No data available.

Label Elements:

Pictogram: Unknown

Signal Word: No data available

Hazard Statements: No data available

Precautionary Statements:

Prevention: No data available

Response: No data available

Storage: No data available

Disposal: No data available

Physical and Chemical Hazards:

No data available.

Health Hazards:

No data available.

Environmental Hazards:

No data available.

Section 3: Composition/Information on Ingredients

Component	Concentration or Concentration Range (mass fraction, %)
Amyloid β -A-Peptide (1-42) (human)	$\geq 99\%$

Section 4: First Aid Measures

First Aid:

Inhalation: If inhaled, move the patient to fresh air.

Skin Contact: Remove contaminated clothing and thoroughly wash the skin with soap and water.
Seek medical attention if discomfort occurs.

Eye Contact: Separate the eyelids and rinse with running water or physiological saline. Seek medical attention immediately.

Ingestion: Rinse the mouth. Do NOT induce vomiting. Seek medical attention immediately.

Advice to Protectors: Move the patient to a safe location. Consult a physician and show this Safety Data Sheet to the on-site doctor.

Special Instructions to Physicians: No data available.

Section 5: Fire-Fighting Measures

Extinguishing Media:

Use water mist, dry chemical, foam, or carbon dioxide (CO₂) extinguishers. Avoid using a direct water jet, as it may cause flammable liquids to splash and spread the fire.

Special Hazards:

No data available.

Fire-Fighting Precautions and Protective Measures

Firefighters must wear a self-contained breathing apparatus and full protective clothing, and extinguish the fire from the upwind direction. Move containers from the fire scene to an open area if possible.

If containers in the fire have discolored or are emitting sounds from the pressure relief device, evacuate immediately.

Isolate the accident scene and prevent unauthorized personnel from entering.

Contain and dispose of firefighting water to avoid environmental contamination.

Section 6: Accidental Release Measures

Protective Measures, Equipment and Emergency Procedures for Personnel

It is recommended that emergency response personnel wear a self-contained breathing apparatus, anti-static clothing, and rubber oil-resistant gloves. Do not touch or walk through the spilled material.

All equipment used during operations must be grounded.

Try to stop the leak source if possible and eliminate all ignition sources.

Establish a warning zone based on the affected area of liquid flow, vapor, or dust dispersion.

Unaffected personnel should evacuate to a safe area from the crosswind or upwind direction.

Environmental Protection Measures

Contain the spilled material to avoid environmental pollution. Prevent the spilled material from entering sewers, surface water, and groundwater.

Methods for Containment, Cleaning Up and Disposal Materials for Spilled Chemicals

Small Spill: Collect the spilled liquid in a sealable container as much as possible. Absorb with sand, activated carbon, or other inert materials and transfer to a safe location. Do not flush into sewers.

Large Spill: Build dikes or excavate pits to contain the spill. Block drainage pipes. Cover with foam to suppress evaporation. Transfer the spill to a tanker truck or a dedicated collection container using an explosion-proof pump, then recycle or transport it to a waste disposal site for treatment.

Section 7: Handling and Storage

Handling Precautions:

Personnel must receive specialized training and strictly follow operating procedures.

Handling should be conducted in areas equipped with local exhaust ventilation or general ventilation systems.

Avoid eye and skin contact, and do not inhale vapors.

For personal protective measures, refer to Section 8.

Keep away from ignition sources and heat; smoking is strictly prohibited in the workplace.

If transferring the product, control the flow rate and ensure the equipment is grounded to prevent static accumulation.

Avoid contact with oxidizing agents and other incompatible substances (see Section 10 for incompatible materials).

Handle with care during transportation to prevent damage to packaging and containers.

Empty containers may retain hazardous residues.

Wash hands after use, and do not eat, drink, or smoke in the workplace.

Equip the workplace with appropriate types and quantities of fire-fighting equipment and spill response tools.

Storage Precautions:

Store in a cool, well-ventilated warehouse. The warehouse temperature should not exceed 37°C.

Separate from oxidizing agents and food-grade chemicals; do not store together (see Section 10 for incompatible materials).

Keep containers tightly sealed.

Keep away from ignition sources and heat.

The warehouse must be equipped with lightning protection devices.

The ventilation system should have a grounding device to dissipate static electricity.

Use explosion-proof lighting and ventilation equipment.

Do not use equipment or tools that may generate sparks.

The storage area should be equipped with spill response equipment and suitable containment materials.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limit:

Component name	C A S	Source of standards	limit value	Re ma rks
Amyloid β -A-Peptide (1-42) (human)	107761-42-2	GBZ 2.1——2007	MAC: PC-TWA: PC-STEL:	

Biological limits: No data

Monitoring methods:

GBZ/T 160.1 ~ GBZ/T 160.81-2004 Determination of toxic substances in workplace air (series standards), EN 14042 Workplace air - Guidelines for procedures for assessing exposure to chemical or biological agents

Engineering controls:

It is recommended that the workplace be separated from other workplaces. Operate in a closed manner to prevent leakage.

Enhance ventilation.

Install automatic alarm devices and emergency ventilation facilities. Set up emergency evacuation routes and necessary emergency risk areas.

Set up red area warning lines, warning signs and Chinese warning instructions, and set up a communication alarm system. Provide safety showers and eye washing equipment.

Personal protective equipment:

Respiratory protection: When the concentration in the air exceeds the standard, wear a filtering respirator (half-mask). In case of emergency rescue or evacuation, a self-contained breathing apparatus should be worn.

Hand protection: Wear rubber oil-resistant gloves.

Eye protection: Wear chemical safety goggles.

Skin and body protection: Wear chemical-resistant overalls.

Section 9: Physical and Chemical Properties

Appearance and Properties: No data available

Odor: No data available

pH Value: No data available

Melting Point/Freezing Point (°C): No data available

Boiling Point, Initial Boiling Point and Boiling Range (°C): No data available

Autoignition Temperature (°C): No data available

Flash Point (°C): No data available

Decomposition Temperature (°C): No data available

Explosion Limits [% (volume fraction)]: No data available

Evaporation Rate [vs. n-butyl acetate = 1]: No data available

Saturated Vapor Pressure (kPa): No data available

Flammability (Solid, Gas): No data available

Relative Density (vs. water = 1): No data available

Vapor Density (vs. air = 1): No data available

Odor Threshold (mg/m³): No data available

n-Octanol/Water Partition Coefficient (lg P): No data available

Solubility: No data available

Viscosity: No data available

Section 10 Stability and Reactivity

Stability: When stored and used under normal ambient temperature, this product is stable.

Hazardous reactions: No data available

Conditions to avoid: Electrostatic discharge, heat, moisture, etc.

Incompatible substances: No data available

Hazardous decomposition products: No data available.

Section 11 Toxicological Information

Acute toxicity:

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin irritation or corrosion: No data available

Eye irritation or corrosion: No data available

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available

Specific target organ system toxicity - single exposure: No data available

Specific target organ system toxicity - repeated exposure: No data available

Inhalation hazard: No data available

Section 12 Ecological Information

Ecotoxicity:

Acute toxicity test on fish: No data available

Acute immobilization test on daphnia: No data available

Algae growth inhibition test: No data available

Toxicity to microorganisms: No data available

Persistence and degradability: No data available.

Bioaccumulation or bioconcentration: No data available.

Mobility in soil: No data available.

Section 13 Disposal

Waste chemicals:

Recycle as much as possible.

If recycling is not possible, dispose of by incineration.

Do not dispose of this product by discharging it into the sewer.

Contaminated packaging:

Return containers to the manufacturer or dispose of them in accordance with national and local regulations.

Notes on disposal:

Refer to national and local relevant regulations before disposal.

For safety precautions for disposal personnel, see Section 8.

Section 14 Transportation Information

United Nations Dangerous Goods Number (UN Number): Non-dangerous goods (for reference only, please verify)

United Nations Transport Name: Non-dangerous goods (for reference only, please verify)

United Nations Hazard Classification: Non-dangerous goods (for reference only, please verify)

Packing Group: Non-dangerous goods (for reference only, please verify)

Packing Method: Pack according to the method recommended by the manufacturer, such as: open steel drums. Ampoules in ordinary wooden cases. Screw-mouth glass bottles, iron-cap pressure glass bottles, plastic bottles or metal drums (cans) in ordinary wooden cases, etc.

Marine Pollutant (Yes/No): No

Transportation Precautions:

Transport vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

It is strictly prohibited to mix with oxidants, edible chemicals, etc. for transportation.

The exhaust pipe of the vehicle carrying this item must be equipped with a fire arrester.

When transporting by tank (can) truck, there should be a grounding chain, and a perforated partition can be set in the tank to reduce static electricity generated by vibration.

It is forbidden to use mechanical equipment and tools that are easy to generate sparks for loading and unloading.

It is better to transport in the morning and evening in summer.

During transportation, it should be protected from sun exposure, rain, and high temperature.

When stopping halfway, it should be away from fire sources, heat sources, and high-temperature areas.

For road transportation, drive according to the specified route and do not stop in residential areas and densely populated areas.

For railway transportation, sliding is prohibited.

It is strictly prohibited to transport in bulk by wooden boats or cement boats.

Dangerous signs and notices should be posted on the means of transport in accordance with relevant transportation requirements.

Part 15 Regulatory Information

The following laws, regulations, rules and standards have corresponding provisions for the management of this chemical:

Component: Amyloid β -A-Peptide (1-42) (human) CAS: 107761-42-2

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases:

Catalogue of Occupational Disease Hazard Factors (2015): Not included

Regulations on the Safety Management of Hazardous Chemicals:

Catalogue of Hazardous Chemicals (2015): Not included

Catalogue of Explosive-precursor Hazardous Chemicals (2017): Not included

Catalogue of Hazardous Chemicals under Key Supervision:

First and Second Batches of Catalogues of Hazardous Chemicals under Key Supervision: Not included

Measures for the Environmental Management Registration of Hazardous Chemicals (for Trial Implementation):

Catalogue of Hazardous Chemicals under Key Environmental Management: Not included

Regulations on the Administration of Narcotic Drugs and Psychotropic Substances:

Catalogue of Narcotic Drugs: Not included

Catalogue of Psychotropic Substances: Not included

Measures for the Environmental Management of New Chemical Substances:

China Existing Chemical Substances List (2013): Not included

Part 16 Other Information

Compilation and revision information:

This version is Version 1.0, compiled in accordance with the classification standards of GB/T 16483-2008, GB/T 17519-2013, and the GB 30000 series.

References:

- 【1】 International Programme on Chemical Safety: International Chemical Safety Cards (ICSC), website address: <http://www.ilo.org/dyn/icsc/showcard.home>
- 【2】 International Agency for Research on Cancer, website address: <http://www.iarc.fr/>
- 【3】 OECD Global Chemicals Information Platform, website address: http://www.echemportal.org/echemportal/index?pageD=0&request_locale=en
- 【4】 U.S. CAMEO Chemical Substance Database, website address: <http://cameochemicals.noaa.gov/search/simple>
- 【5】 U.S. National Library of Medicine: Chemical Identification Database, URL, website address: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>。
- 【6】 U.S. Environmental Protection Agency: Integrated Risk Information System, website address: <http://cfpub.epa.gov/iris/>。
- 【7】 U.S. Department of Transportation: Emergency Response Guide, website address: <http://www.phmsa.dot.gov/hazmat/library/erg>。
- 【8】 German GESTIS - Database of Hazardous Substances, website address: <http://gestis-en.itrust.de/>。

Abbreviations and Acronyms:

MAC: Maximum Allowable Concentration, referring to the concentration that toxic chemicals should not exceed at any time during a workday at the workplace.

PC-TWA: Permissible Concentration-Time Weighted Average, referring to the average allowable exposure concentration specified with time as the weight for an 8-hour workday and a 40-hour workweek.

PC-STEL: Permissible Concentration-Short Term Exposure Limit, referring to the concentration allowed for short-term (15 minutes) exposure under the premise of complying with PC-TWA.

For any questions, please contact www.absin.cn for consultation.

Disclaimer:

The information in this SDS applies only to the specified product. Unless otherwise specified, it does not apply to mixtures of this product with other substances, etc. This SDS only provides information on product safety in use for those users of the product who have received appropriate professional training. Users of this SDS must make an independent judgment on the applicability of this SDS. The compiler of this SDS shall not be liable for any damages resulting from the use of this SDS.