

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1

11.08.2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING			
Identification of the substance	Amygdalin B17 sterile solution 30%		
Article number			
Registration number (REACH)	This information is not available		
EC number	missing		
CAS number	missing		
Relevant identified uses of the substance or mixture and uses advised against			
Installed applications:	designed for research work in scientific and medical laboratories		
Details of the supplier of the safety data sheet			
Individual entrepreneur Bolotov Stanislav Yurievich			
Mailing address: 630091, Russia, Novosibirsk region, Novosibirsk, st. Yadrintsevskaya, d. 18			
Legal address: 630091, Russia, Novosibirsk region, Novosibirsk, st. Yadrintsevskaya, d. 18			
Phone:	+79139150044		
Fax:			
Email:	Info@said-lab.com		
Web site:	said-lab.com		
Emergency numbers	+79139150044		
Emergency Information Service	+79139150044		
2. HAZARDS IDENTIFICATION			
2.1 Classification of the substance or mixture			
Classification in accordance with Regulation (EC) № 1272/2008 (CLP)			
Classification acc. to GHS			
Section	Hazard class	Hazard class and category	Hazard statement
3.3	Serious eye damage/eye irritation	Eye Irrit. 2	H320
Remarks			
Full text of Hazard - Hazard and EU statements: see section 16.			
2.2 Label elements			
Labeling in accordance with Regulation (EC) № 1272/2008 (CLP)			
Signal word	Caution		

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1
11.08.2023

Hazard

H320 Causes irritation in eyes

Precautionary measures

Precautions – Prevention

P264 Wash hands thoroughly after work

Precautionary measures - reaction

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if you wear them and if it is easy to do so.
Continue rinsing

P337+P311 If eye irritation persists seek medical attention

Packet marking where the content is not more than 125 ml

Signal word: **Caution**

P264 Wash hands thoroughly after work

2.3 Other hazards

No further information

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Amygdalin	30 %
Number EC	249-925-3
Number CAS	29883-15-6
Dimethyl sulfoxide (DMSO)	32-35 %
Number EC	200-664-3
Number CAS	67-68-5
Water for injections	up to 100%
Number EC	231-791-2
Number CAS	7732-18-5

4. MEASURES FOR FIRST AID

4.1 Description of first aid measures



General remarks

Remove contaminated clothing.

After inhalation

Fresh air, peace, warmth.

Upon contact with skin

Wash off with running water.

Eye Contact

Rinse with running water with wide open palpebral fissure for 15 minutes. Seek medical attention if necessary.

If swallowed,

Rinse the mouth with water, drink plenty of water, activated charcoal.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects known to date

4.3 Indication of immediate medical attention and special treatment

Missing

5. MEASURES AND FIRE-FIGHTING

5.1 Extinguishing media

Suitable extinguishing means

Atomized water, chemical or air-mechanical foam, sand, all kinds of fire extinguishers

Unsuitable extinguishing media

There are no

5.2 Special hazards arising from the substance or mixture

Incombustible

Hazardous combustion products

Missing

5.3 Advice for firefighters

Fight fire from a distance, observing the usual precautions. Wear self-contained breathing apparatus.

6. MEASURES FOR THE PREVENTION AND ELIMINATION OF ACCIDENTAL AND THEIR CONSEQUENCES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

The wearing of suitable protective equipment (including personal protective equipment specified in Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

Do not breathe dust. Avoid contact with skin, eyes and clothing

6.2 Environmental precautions

Keep away from the sewage system, surface water and groundwater.

6.3 Methods and materials for cleaning

Advice on how to prevent leakage

Covering sewerage

Tips on how to clean up the leak

Remove mechanically.

Other information relating to spills and releases

Put into suitable containers for disposal.

Reference to other sections

Hazardous products of combustion: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Disposal: see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Special precautions are not necessary.

industrial hygiene advice

Before breaks and after work wash your hands. Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including any incompatibilities

Stored in a dry place.

Incompatible substance or mixture

Follow the instructions for the combined storage

Consideration of other tips

Ventilation requirements

Use local and general ventilation.

Specific projects for storage rooms or vessels

Recommended storage temperature: 5 - 25 ° C.

7.3 Specific (s) is finite (s) use (s) of

No further information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National limits

Restrictions for occupational exposure (Occupational Exposure Limits)

no data

8.2 Means of exposure control

PPE (personal protective equipment)

Eye / face protection



Use safety glasses with side shields.

Skin protection



• hand protection

Suitable protective gloves. Suitable chemical protective gloves, which are tested in accordance with EN 374. advisable to check the chemical resistance of the gloves for specific applications, as well as a supplier of the gloves.

• material type

NBR (Nitrile rubber)

• material thickness

> 0,11 mm.

• Breakthrough time of glove material

> 480 minutes (permeability: Level 6)

• other protection measures

Accept recovery periods for skin regeneration. Preventive skin protection (protective creams / ointments)

Controlling the environmental impact

Keep away from the sewage system, surface water and groundwater.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

State of aggregation	transparent solution of light beige color
Smell	no data available
Odor threshold	no data available

Other physical and chemical parameters

pH (value)	4.0-5.0
------------	---------

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1
11.08.2023

Density at 20 ° C	no data available
Melting point / freezing	no data available
Initial boiling point and boiling range	no data available
Flash point closed cup	no data available
Evaporation rate	no data available
Flammability (solid gas)	no data available
<u>explosive limits</u>	
• lower explosion limit (LEL)	this information is not available
• upper explosion limit (UEL)	this information is not available
Explosive limits of dust clouds	this information is not available
gas pressure	this information is not available
Vapor density	this information is not available
Bulk density	this information is not available
Relative density	this information is not available
<u>Solubility (u)</u>	
Solubility in water	this information is not available
<u>distribution factor</u>	
n-octanol / water (log KOW)	this information is not available
Ignition point	this information is not available
Autoignition Temperature.	this information is not available
Decomposition temperature	this information is not available
Viscosity	this information is not available
Risk of explosion	this information is not available
Oxidising properties	this information is not available

9.2 Other information

No further information

10. STABILITY AND REACTIVITY

10.1 Reactivity

This material does not react under normal ambient conditions.

10.2 Chemical stability

The material is resistant to normal environmental conditions and under the anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1
11.08.2023

There are no known hazardous reactions

10.4 Situations to Avoid

No additional information.

10.5 Incompatible materials

No additional information.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Impact path	End temperature	Value	View	Source
Dimethyl sulfoxide (DMSO)				
oral	LD50	28 300 mg/kg	rat	ECHA
dermal	LD50	40 000 mg/kg	rat	ECHA

Skin corrosion / irritation

Not classified as corrosive / irritant to the skin.

Serious eye damage / irritation

Causes irritation in eyes.

Respiratory or skin sensitization

Not classified as a respiratory irritant or allergen skin.

Summary CMR evaluation of properties

It is not classified as a mutagen germ cells, or carcinogen toxin for reproduction

• Specific target organ toxicity individual target organs

single exposure

Not classified as a specific target organ toxicant (single exposure).

Symptoms associated with physical, chemical and toxicological characteristics

• If swallowed

nausea, vomiting, abdominal pain, diarrhea

• Eye Contact

tearing, redness

• After inhalation

sore throat, cough

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1
11.08.2023

• After contact with skin

may cause irritation, itching

Other information

Missing

12. ECOLOGICAL INFORMATION

12.1 Toxicity

acc. with 1272/2008 / EC: Not classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Endpoint	Value	Species	Source	Exposure time
Dimethyl sulfoxide (DMSO)				
LC50	> 25 g/l	Danio rerio	ECHA	24 h
EC50	24,6 g/l	Daphnia magna	ECHA	48 h
EC50	17 g/l	Raphidocelis subcapitata	ECHA	72 h

12.2 The decomposition process

Methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

No data.

12.5 Results of PBT and vPvB

No data.

12.6 Other side effects

No data.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The material and its container must be disposed of as hazardous waste. Dispose of contents / container in accordance with local / regional / national / international regulations.

Disposal of wastewater - current information

The sewers are not drained.

13.2 The relevant provisions relating to waste

Assignment of the code numbers / waste marking carried out in accordance with Directive on the list

of hazardous materials in accordance with the industry and process.

13.3 Notes

Waste must be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the respective national or regional regulations.

14. TRANSPORT INFORMATION

14.1 UN number	(Not subject to transport regulations)
14.2 UN proper shipping name	it does not matter
14.3 Class (es) during transport	it does not matter
class	-
14.4 Packing group	it does not matter
14.5 Environmental hazards	offline (not dangerous for the environment acc. to technical regulations)

14.6 Special precautions for user

No additional information.

14.7 Transportation of containers in accordance with Annex II of MARPOL 73/78 and IBC**Code**

Cargo for carriage in bulk.

14.8 Information on each of the UN Model Regulations**• Transport of dangerous goods by road, rail and inland waterway (ADR / RID / ADN)**

Not subject to ADR, RID and ADN.

• International Maritime Dangerous Goods (IMDG)

It is not subject to the IMDG Code.

• International Air Transport Association (ICAO-IATA / DGR)

It is not subject to ICAO-IATA.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental laws / regulations specific for the substance or mixture****The relevant provisions of the European Union (EU)**

- **Regulation 649/2012 / EC on the export and import of hazardous chemicals (PIC)**

not listed

- **Regulation 1005/2009 / EC on substances that deplete the ozone layer (ODS)**

not listed

- **Regulation 850/2004 / EC on persistent organic pollutants (POPs)**

not listed

- **Restrictions under REACH, Annex XVII**

not listed

- **List of substances subject to authorization (REACH, Appendix XIV)**

not listed

- **Directive 2011/65 / EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II**

not listed

- **Regulation 166/2006 / EC establishing the European Pollutant Release and Transfer Registers (PRTR)**

not listed

- **Directive 2000/60 / EC establishing a framework for Community action in the field of water policy (WFD)**

not listed

National regulations

The substance is included in the following national regulations:

- EINECS / ELINCS (Europe)

15.2 Chemical Safety Assessment

None of the chemical safety assessment was not carried out for this substance.

16. OTHER INFORMATION

Abbr.	Descriptions of the abbreviations used
CAS	Chemical Abstracts Service (a service that supports the most comprehensive list of chemicals)
CLP	Regulation (EC) № 1272/2008 on the classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, mutagenic or toxic to the reproductive system
DGR	Carriage of Dangerous Goods Regulations (see IATA / DGR)
DMEL	The resulting minimal effect level
DNEL	The resulting minimal effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European Inventory of identified chemicals
IATA	International Air Transport Association
IATA / DGR	Regulations transport of dangerous goods (DGR) for Air Transport

MSDS Amygdalin B17 sterile solution 30%

SAFETY DATA SHEET

version 1
11.08.2023

	(IATA)
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. Of "Marine Pollutant)
NLP	Longer polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Target concentration without affecting
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
vPvB	Very persistent and very bioaccumulative
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ICAO	International civil aviation organization
IMDG	The international code for the transport of dangerous goods by sea
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations of the International Carriage of Dangerous Goods by Rail)
GHS	The Globally Harmonized System of Classification and Labeling of Chemicals "developed by the United Nations
Key literature references and sources of data	
- Regulation (EC) № 1907/2006 (REACH), as amended by 453/2010 / EC	
- Regulation (EC) № 1272/2008 (CLP, EU GHS)	
List of relevant R-phrases (full text of the Code and, as mentioned in chapter 2 and 3)	
H320: Causes eye irritation.	

Renunciation

The data in this safety data sheet correspond to the level of information, which we had on the date of its printing. Information should serve you a starting point for the safe handling of the product named in this safety data sheet during storage, handling, transportation and disposal. These do not apply to other products. Since the product is processed or blended with other materials, the data from this intolerable MSDS ready for new materials.