

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**SeraScreen Abs**

Revision date: 05.10.2022

Product code: BAG-019

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Laboratory chemicals

**Uses advised against**

Only use for the intended purpose.

The product is intended for professional use.

**1.3. Details of the supplier of the safety data sheet**

Company name:	BAG Diagnostics GmbH	
Street:	Amtsgerichtsstr. 1-5	
Place:	D-35423 Lich	
Telephone:	+49 (0) 6404 / 925 -100	Telefax: +49 (0) 6404 / 925 -460
e-mail:	info@bag-diagnostics.com	
Internet:	www.bag-diagnostics.com	
Responsible Department:	Information on the MSDS: eu-sds@asseso.eu	
	Contact person for the product: Customer Service, + 49-6404-925-125,	
	info@bag-diagnostics.com	

**1.4. Emergency telephone number:**

national emergency number: +353 1 8092566

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements****Additional advice on labelling**

The product is not subject to labeling according to Regulation (EC) No. 1272/2008 [CLP].

**2.3. Other hazards**

Combustible liquid.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Aqueous solution of inorganic salts and organic compounds.

**Hazardous components**

none (according to Regulation (EC) No 1907/2006 (REACH))

**Further Information**

The product contains dimethyl sulphoxide (DMSO)..

**SECTION 4: First aid measures****4.1. Description of first aid measures**

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**General information**

In case of troubles or persistent symptoms, consult an doctor/physician.

**After inhalation**

Move victim to fresh air and keep at rest. Seek medical attention if problems persist.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing. In case of skin irritation, consult a physician.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth, spit liquid again. Call a physician in any case!

**4.2. Most important symptoms and effects, both acute and delayed**

May cause eye irritations. Skin contact may cause skin irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water spray. Extinguishing powder. Carbon dioxide.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Combustible liquid.

Upon exposure to fire, harmful gases may be emitted. Carbon dioxide. Carbon monoxide.

Irritant gases/vapours

**5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings. Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Do not breathe vapour/aerosol. Avoid contact with eyes and skin.

Wear personal protection equipment. Change contaminated clothing.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

**6.3. Methods and material for containment and cleaning up****For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal precautions: refer to section 8

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Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation. Wear personal protection equipment. Avoid contact with skin. Change contaminated clothing.

**Advice on protection against fire and explosion**

Protect from heat/overheating.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Advice on general occupational hygiene**

Consider the usual precautions for handling chemicals. Do not eat, drink or smoke when using this product.

Wash hands before breaks and after work. Avoid contact with skin and eyes.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Recommended storage temperature: -70°C

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Store separately from oxidizing agents.

**7.3. Specific end use(s)**

Laboratory chemicals

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

Until today no further national limits have been defined.

**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Provide protection equipment (eye wash bottles, etc.).

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly fitting safety glasses with side shields.

**Hand protection**

Wear suitable gloves.

Cold protection gloves

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

protection suit

**Respiratory protection**

Respiratory protective equipment must be worn if the occupational exposure limit values (OEL) are exceeded.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	solid (liquid (20°C))	
Colour:	colourless	
Odour:	odourless	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability		
Solid/liquid:		No data available.
Gas:		No data available.
Lower explosion limits:		No data available.
Upper explosion limits:		No data available.
Flash point:		not determined
Auto-ignition temperature:		No data available.
Decomposition temperature:		No data available.
pH-Value:		approx. 7
Viscosity / kinematic:		No data available.
Water solubility:		No data available.
Solubility in other solvents		
No data available.		
Partition coefficient n-octanol/water:		No data available.
Vapour pressure:		No data available.
Density:		No data available.
Relative vapour density:		No data available.

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties	
No data available.	
Self-ignition temperature	
Solid:	No data available.
Oxidizing properties	
No data available.	

#### Other safety characteristics

Evaporation rate:	No data available.
Viscosity / dynamic:	No data available.

#### Further Information

Combustible liquid.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactivity under regular conditions.

### 10.2. Chemical stability

The product is stable under regular conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions to be expected if used properly.

### 10.4. Conditions to avoid

Protect against heat and direct solar irradiation.

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**10.5. Incompatible materials**

Oxidizing agents, strong.  
Strong alkalis.  
strong acids.

**10.6. Hazardous decomposition products**

Upon exposure to fire, harmful gases may be emitted.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available.

**SECTION 12: Ecological information****12.1. Toxicity**

There are no data available on the mixture itself.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Disposal according to official regulations.

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Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**List of Wastes Code - residues/unused products**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No special precautions known.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable  
Regulation (EC) No. 648/2004 [Detergents regulation]: not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable  
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

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**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Observe in addition any national regulations!

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Version 1,00 - 05.10.2022 - first creation

**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)

BlmSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: Norm of the International Standards Organization

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration

LD: Lethal dose

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bio-cumulative

WGK: German Water Hazard Class

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value

STOT: Specific Target Organ Toxicity

AwSV: Ordinance on Installations for Handling Substances Hazardous to Water

**Further Information**

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*