

S9-100/1537 Booster Solution

Material Safety Data Sheet according to 1907/2006/EC Article 31 (REACH)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING		
Product name	S9-100/1537 Booster Solution	
Product code	PRS-BB01	
Synonyms	Booster Solution	
Recommended uses	Not for use in humans, not for diagnostic purposes. Research use only	
Supplier	Xenometrix AG, Gewerbestrasse 25, CH-4123 Allschwil, Switzerland	
Emergency contact numbers	Telephone: +41 61 482 14 34	
Country of origin	Switzerland	
HS Code	3822.1900	
2. HAZARDS IDENTIFICATION		
Classification	This substance does not meet the criteria for classification.	
Label element	Pictogram:	No data available
	Signal Word:	No data available
Hazard statement(s)	No data available	
Precautionary statement(s)	No data available	
Other hazards:	No data available	
3. COMPOSITION / INFORMATION ON INGREDIENTS		
Product	Molecular formula	MgSO ₄
	Molecular weight	246.5 g/mol
Description	Component to be added to Xenometrix assay.	
CAS-No	10034-99-8	
EC-No	231-298-2	
Index-No	No data available.	
Other information	Component is media.	
4. FIRST AID MEASURES		
General information	First aiders need to protect themselves. If any doubt or if symptoms persist, seek medical attention.	
Eye contact	Flush the eye for several minutes with water; Contact a doctor; Do not rub your eyes.	
Skin contact	Wash skin with soap and water. Remove contaminated clothing. If symptoms occur, consult a doctor.	
Inhalation	Move affected person to fresh air. Get medical attention if any discomfort continues.	
Ingestion	Contact a doctor. If the lips are glued together, apply plenty of warm water and gently disassemble them.	
5. FIRE-FIGHTING MEASURES		
Extinguishing media:	Suitable extinguishing media, co-ordinate firefighting measures to the fire surroundings! water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder. Unsuitable extinguishing media, water jet.	
Special hazards arising from the substance or mixture	Special hazards arising from the substance or mixture: non-combustible. Hazardous combustion products: in case of fire may be liberated, sulphur oxides (SO _x).	
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.	

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6. ACCIDENTAL RELEASE MEASURES		
Personal precautions	Wear appropriate personal protective equipment – see section 8 Avoid contact with skin and eyes. Provide adequate ventilation Avoid breathing mist/vapor. Keep unauthorized and unprotected persons away.	
Environmental precautions	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.	
7. HANDLING AND STORAGE		
Handling	Wear appropriate personal protective equipment – see section 8. Avoid contact with skin and eyes. Avoid breathing mist/vapor. Provide adequate ventilation. Do not eat, drink or smoke when using this product. Keep this product away from food and out of reach of children and pets. Remove work clothes and protective equipment before meals. The packaging is handled and opened carefully. Wash hands after handling the product. Remove contaminated clothing. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed when not in use. Use only in well ventilated areas, work under hood. Do not inhale substance/mixture.	
Storage	Store in the original container as much as possible at 2 – 8 °C. Keep locked up or in an area accessible only to qualified or authorized Persons.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
Appropriate technical measures:	Airborne concentrations must be kept as low as possible. Provide sufficient ventilation.	
General information / Hygiene measures	Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash is clearly marked. Avoid contact with eyes and skin. Avoid breathing vapor.	
Personal protection:	Only CE-marked personal protection equipment should be used.	
Eye protection	Safety glasses.	
Hand protection	Wear protective gloves made of the following material: Polyethylene, Polypropylene, Viton. EN 374.	
Body protection	Wear appropriate protective clothing.	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.	
9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance	Colorless liquid	
pH	5 – 9 (in aqueous solution: 50 g/l, 25 °C)	
Odour	No data available.	
Melting point	No data available.	
Boiling point	>70 °C	
Flash point	No data available.	
Evaporation rate	No data available.	
Flammability	No data available.	
Self-ignition temp.	No data available.	
Danger of Explosion	No data available.	
lower explosion limit	No data available.	
upper explosion limit	No data available.	
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Decomposition Temp.	No data available.
Kinematic Viscosity	No data available.
Vapor Pressure	No data available.
Relative Density (20°C)	1,67 g /cm ³ at 20 °C
Relative Gas Density (20°C)	~900 kg/m ³
Water Solubility (20°C)	1,67 g /cm ³ at 20 °C
Log KOW	No data available.

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal storage conditions and recommended use
Reactivity	This material is not reactive under normal ambient conditions.
Conditions to avoid	Keep away from heat. Decomposition takes place from temperatures above: >70 °C. Protect from moisture.
Incompatibilities with other materials	No data available.
Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Oral - Rat - > 2.000 mg/kg
Skin corrosion/irritation	Shall not be classified as corrosive/irritant to skin.
Serious eye damage/eye irritation	shall not be classified as seriously damaging to the eye or eye irritant.
Respiratory or skin sensitization	May cause respiratory irritation.
Other	No data available.

12. ECOLOGICAL INFORMATION

Toxicity	LC50: 680mg/L (fish) EC50: 2.700 mg/L (algae)
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Result of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	No data available.

13. DISPOSAL CONSIDERATION

Waste treatment methods	No data available.
Treatment key	No data available.
Contaminated packaging/ product	Dispose of empty packs via local recycling or waste disposal routes - if necessary, clean them beforehand.
Special precaution	No data available.

14. TRANSPORT INFORMATION

ADR / RID	Not classified as hazardous for transport.
IMDG	Not classified as hazardous for transport.
IATA	Not classified as hazardous for transport.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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16. ADDITIONAL INFORMATION

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