



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	MRS Agar (de MAN, ROGOSA and SHARPE)		
Catalogue Number:	AS-1295		
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	
Label elements Labelling according to Regulation (EC) No 1272/2008 Pictogram none Signal Word none Hazard Statements none Precautionary Statements none Supplemental Hazard Statements none	
Other hazards 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. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	

Section 3: Composition / Information on Ingredients			
Mixture			
Component		Classification	Concentration
Diammonium hydrogen citrate			
CAS-No.	3012-65-5	Skin Irrit. 2; Eye Irrit. 2; H315, H319	>= 1 - < 10 %
EC-No.	221-146-3		
Registration number	01-2120766876-34- XXXX		

Section 4: First Aid Measures	
Description of first-aid measures	
If inhaled	After inhalation: fresh air.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.



In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.
If swallowed	After swallowing: make the person drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.	
Indication of any immediate medical attention and special treatment needed No data available	

Section 5: Fire Fighting Measures	
Extinguishing media	
Suitable extinguishing media Water Foam Carbon dioxide (CO2) Dry powder.	
Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given.	
Special hazards arising from the substance or mixture Carbon oxides Nitrogen oxides (NOx) Sodium oxides Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.	
Advice for firefighters In the event of fire, wear self-contained breathing apparatus.	
Further information Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.	

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dust. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.	
Environmental precautions Do not let product enter drains.	
Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dust.	
Reference to other sections For disposal see section 13.	

Section 7: Handling and Storage	
Precautions for safe handling For precautions see section 2.	
Conditions for safe storage, including any incompatibilities	
Storage conditions	Tightly closed. Dry. Recommended storage temperature see product label.
Storage class	Storage class (TRGS 510): 11: Combustible Solids.



Section 8: Exposure Controls / Personal Protection	
Control parameters	
Exposure controls	
Appropriate engineering controls	
Change contaminated clothing. Wash hands after working with substance.	
Personal protective equipment	
Eye/face protection	
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.	
Skin protection	
Full contact	
Material: Nitrile rubber	
Minimum layer thickness: 0,11 mm	
Break through time: 480 min	
Material tested: KCL 741 Dermatril® L	
Splash contact	
Material: Nitrile rubber	
Minimum layer thickness: 0,11 mm	
Break through time: 480 min	
Material tested: KCL 741 Dermatril® L	
Respiratory protection	
Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert Substances.	
The entrepreneur must ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented.	
required when dust is generated.	
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.	
Recommended Filter type: Filter type P2	
The entrepreneur must ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented.	
Control of environmental exposure	
Do not let product enter drains.	

Section 9: Physical and Chemical Properties	
Physical state	Powder
Color	Beige
Odor	Peptone-like
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available



pH	5,6 - 5,9 at 68,2 g/l at 25 °C
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	68,2 g/l at 100 °C
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Other safety information	Bulk density 600 kg/m ³

Section 10: Stability and Reactivity	
Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents
Conditions to avoid	no information available
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5.

Section 11: Toxicological Information	
Information on toxicological effects	
Mixture	
Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	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 toxicity - single exposure	No data available



Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	
Endocrine disrupting properties Product: Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Components	
Diammonium hydrogen citrate	
Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	Skin - Rat Result: Skin irritation Remarks: (ECHA)
Serious eye damage/eye irritation	Eyes - Rabbit Result: Eye irritation (OECD Test Guideline 405)
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 toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

Section 12: Ecological Information	
Toxicity	
Mixture	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Results 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.
Endocrine disrupting properties Product: Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



Other adverse effects	No ecological problems are to be expected when the product is handled and used with due care and attention.
Components	
Diammonium hydrogen citrate	No data available

Section 13: Disposal Consideration	
Waste treatment methods	
Product	Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Dispose of as unused product.

Section 14: Transport Information	
UN number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: -
Packaging group	ADR/RID: - IMDG: - IATA: -
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information	
Safety, health and environmental regulations/legislation specific for the substance or mixture	
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.	
Chemical Safety Assessment	
For this product a chemical safety assessment was not carried out.	

Section 16: Additional Notes	
Documented By	Ausamics Life Science Sales@Ausamics.com
Revision date	June 10, 2024
Summary of Revisions	This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS).



Disclaimer

The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.