



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Agarose		
Catalogue Number:	ASC-1020	CAS Number:	9012-36-6
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification: Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)	
Label Elements	
Label Elements	None required
Hazards not otherwise classified (HNOC)	None identified

Section 3: Composition / Information on Ingredients		
Component	CAS No	Weight %
Agarose	9012-36-6	100

Section 4: First Aid Measures	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.
Inhalation	Remove from exposure, lie down. Remove to fresh air. Get medical attention.
Ingestion	Do NOT induce vomiting. Get medical attention.
Most important symptoms and effects	No information available.
Notes to Physician	Treat symptomatically



Section 5: Firefighting Measures			
Suitable Extinguishing Media		Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam.	
Unsuitable Extinguishing Media		No information available	
Flash Point		No information available	
Autoignition Temperature		No information available	
Explosion Limits		No data available	
Upper		No data available	
Lower		No information available	
Sensitivity to Mechanical Impact		No information available	
Sensitivity to Static Discharge		No information available	
Specific Hazards Arising from the Chemical		Keep product and empty container away from heat and sources of ignition.	
Hazardous Combustion Products		Carbon monoxide (CO). Carbon dioxide (CO2).	
Protective Equipment and Precautions for Firefighters		As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
NFPA			
Health	Flammability	Instability	Physical hazards
0	0	0	N/A

Section 6: Accidental Release Measures	
Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	See Section 12 for additional Ecological Information.
Methods for Containment and Clean Up	Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment.

Section 7: Handling and storage	
Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed, then seek immediate medical assistance.
Storage	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Acids. Strong oxidizing agents.



Section 8: Exposure Controls / Personal Protection	
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Engineering Measures	None under normal use conditions.
Personal Protective Equipment	
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties	
Physical State	Powder Solid
Appearance	Light cream
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid, gas)	No information available
Flammability or explosive limits	No data available
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available



Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C ₁₂ H ₁₈ O ₉
Molecular Weight	306.12

Section 10: stability and Reactivity	
Reactive Hazard	None known, based on information available
Stability	Stable
Conditions to Avoid	Avoid dust formation. Incompatible products
Incompatible Materials	Acids, Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur
Hazardous Reactions	None under normal processing

Section 11: Toxicological Information						
Acute Toxicity Product Information Component Information		No acute toxicity information is available for this product				
Toxicologically Synergistic Products		No information available				
Delayed and immediate effects as well as chronic effects from short and long-term exposure						
Irritation		No information available				
Sensitization		No information available				
Carcinogenicity		The table below indicates whether each agency has listed any ingredient as a carcinogen.				
Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Agarose	9012-36-6	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects		No information available				



Reproductive Effects	No information available
Developmental Effects	No information available
Teratogenicity	No information available
STOT - single exposure	None known
STOT - repeated exposure	None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other Adverse Effects	The toxicological properties have not been fully investigated.

Section 12: Ecological Information	
Ecotoxicity	Do not empty into drains.
Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.
Bioaccumulation/ Accumulation	No information available.
Mobility	Will likely be mobile in the environment due to its water solubility.

Section 13: Disposal Consideration	
Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information	
DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated



Section 15: Regulatory Information										
United States of America Inventory										
Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive					TSCA - EPA Regulatory Flags		
Agarose	9012-36-6	X	ACTIVE					XU		
Legend: TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B))										
TSCA 12(b) - Notices of Export						Not applicable				
International Inventories										
Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).										
Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Agarose	9012-36-6	X	-	232-731-8	X	-		X	X	KE-00278
U.S. Federal Regulations										
SARA 313						Not applicable				
SARA 311/312 Hazard Categories						See section 2 for more information				
CWA (Clean Water Act)						Not applicable				
Clean Air Act						Not applicable				
OSHA - Occupational Safety and Health Administration						Not applicable				
CERCLA						Not applicable				
California Proposition 65						This product does not contain any Proposition 65 chemicals.				
U.S. State Right-to-Know Regulations						Not applicable				
U.S. Department of Transportation										
Reportable Quantity (RQ)						N				
DOT Marine Pollutant						N				



DOT Severe Marine Pollutant			N		
U.S. Department of Homeland Security			This product does not contain any DHS chemicals.		
Other International Regulations					
Mexico - Grade			No information available		
Authorization /Restrictions according to EU REACH					
Safety, health and environmental regulations/legislation specific for the substance or mixture					
Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Agarose	9012-36-6	Not applicable	Not applicable	Not applicable	Not applicable

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Agarose	9012-36-6	Not applicable	Not applicable	Not applicable	Not applicable

Section 16: Additional Notes	
Documented By	Ausamics Life Science Sales@Ausamics.com
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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.