



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Beef Extract Agar		
Catalogue Number:	AS-1134		
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification of the substance or mixture CLP Classification - Regulation (EC) No 1272/2008	
Physical hazards	Based on available data, the classification criteria are not met.
Health hazards	Based on available data, the classification criteria are not met.
Environmental hazards	Based on available data, the classification criteria are not met.
Label elements	None required
Signal Word	None
Other hazards This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).	

Section 3: Composition / Information on Ingredients				
Mixture				
Component	CAS No	EC No	Weight %	CLP Classification - Regulation (EC) No 1272/2008
NONHAZARDOUS	NA		100	-

Section 4: First Aid Measures	
Description of 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 immediately if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Self-Protection of the First Aider	No special precautions required.
Most important symptoms and effects, both acute and delayed None reasonably foreseeable. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
Indication of any immediate medical attention and special treatment needed	



Notes to Physician	Treat symptomatically.
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Section 5: Fire Fighting Measures	
Extinguishing media	
Suitable extinguishing media Water spray, carbon dioxide (CO ₂), dry chemical, alcohol-resistant foam.	
Extinguishing media which must not be used for safety reasons None.	
Special hazards arising from the substance or mixture Thermal decomposition can lead to release of irritating gases and vapors.	
Hazardous Combustion Products None under normal use conditions.	
Advice for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.	
Environmental precautions Should not be released into the environment. See Section 12 for additional Ecological Information.	
Methods and materials for containment and cleaning up Sweep up and shovel into suitable containers for disposal. Avoid dust formation.	
Reference to other sections Refer to protective measures listed in Sections 8 and 13.	

Section 7: Handling and Storage	
Precautions for safe handling Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.	
Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuff. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.	
Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place.	
Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK)	Class 13
Specific end use(s)	Use in laboratories

Section 8: Exposure Controls / Personal Protection	
Control parameters	
Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.	



Biological limit values				
This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies.				
Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)				
According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.				
Predicted No Effect Concentration (PNEC)				
According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.				
Exposure controls				
Engineering Measures		None under normal use conditions.		
Personal protective equipment				
Eye Protection		If splashes are likely to occur Wear safety glasses with side shields (or goggles) (European standard - EN 166)		
Hand Protection		For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.		
Glove material	Breakthrough time	Glove thickness	EU standard	Glove comments
Disposable gloves	See manufacturers recommendations	-	EN 374	(Minimum requirement)
Skin and body protection		Long sleeved clothing.		
Inspect gloves before use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g., sensitization effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.				
Respiratory Protection		No protective equipment is needed under normal use conditions.		
Large scale/emergency use		Use a NIOSH/MSHA or European Standard EN 136 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced Recommended Filter type: Particle filter		
Small scale/Laboratory use		Maintain adequate ventilation		
Environmental exposure controls		Avoid dust formation.		

Section 9: Physical and Chemical Properties		
Physical state	Powder Solid	
Odor	No information available	
Odor Threshold	No data available	
Melting Point/Range	No data available	
Softening Point	No data available	
Boiling Point/Range	Not applicable	
Flammability (liquid)	Not applicable	Solid
Flammability (solid, gas)	No information available	



Explosion Limits	No data available	
Flash Point	Not applicable	Method - No information available
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
pH	Not applicable	
Viscosity	Not applicable	Solid
Water Solubility	Soluble in water	
Solubility in other solvents	No information available	
Vapor Pressure	No data available	
Density / Specific Gravity	No data available	
Bulk Density	No data available	
Vapor Density	Not applicable	Solid
Particle characteristics	No data available	
Evaporation Rate	Not applicable	Solid

Section 10: Stability and Reactivity	
Reactivity None known, based on information available	
Chemical stability Stable under normal conditions.	
Possibility of hazardous reactions	
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to avoid Incompatible products. Excess heat. Avoid dust formation.	
Incompatible materials Strong oxidizing agents.	
Hazardous decomposition products None under normal use conditions.	

Section 11: Toxicological Information	
Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
acute toxicity	Oral: Not classified Dermal: Not classified Inhalation: Not classified
Toxicology data for the components	
skin corrosion/irritation	Not classified
serious eye damage/irritation	Not classified



respiratory or skin sensitization	Respiratory: Not classified Skin: Not classified
germ cell mutagenicity	Not classified
carcinogenicity	Not classified There are no known carcinogenic chemicals in this product.
reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Target Organs	None
aspiration hazard	Not applicable Solid
Symptoms / effects, both acute and delayed	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Information on other hazards	
Endocrine Disrupting Properties	Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

Section 12: Ecological Information	
Toxicity	
Ecotoxicity effects	Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants.
Persistence and degradability	Expected to be biodegradable
Persistence	Soluble in water, Persistence is unlikely, based on information available.
Bio accumulative potential	Bioaccumulation is unlikely
Mobility in soil	The product is water soluble and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.
Endocrine disrupting properties	This product does not contain any known or suspected endocrine disruptors
Other adverse effects	
Persistent Organic Pollutant	This product does not contain any known or suspected substance
Ozone Depletion Potential	This product does not contain any known or suspected substance

Section 13: Disposal Consideration	
Waste treatment methods	
Waste from Residues/Unused Products Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.	
Contaminated Packaging Empty remaining contents. Dispose of it in accordance with local regulations. Do not re-use empty containers.	



European Waste Catalogue (EWC)

According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport Information

IMDG/IMO Not regulated	UN number UN proper shipping name Transport hazard class(es) Packing group
ADR Not regulated	UN number UN proper shipping name Transport hazard class(es) Packing group
IATA Not regulated	UN number UN proper shipping name Transport hazard class(es) Packing group
Environmental hazards	No hazards identified
Special precautions for user	No special precautions required
Maritime transport in bulk according to IMO instruments	No special precautions required

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

Component	CAS No	EINECS	ELINCS	NLP	IECSC	TCSI	KECL	ENCS	ISHL
NONHAZARDOUS	NA	-	-	-	-	-	-	-	-

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	DSL	NDL	AICS	NZIoC	PICCS
NONHAZARDOUS	NA	-	-	-	-	-	-	-

Legend: X - Listed '-' - Not Listed

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

Authorization / Restrictions according to EU REACH

Component	CAS No	Seveso III Directive (2012/18/EC) - Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Quantities for Safety Report Requirements
NONHAZARDOUS	NA	applicable	applicable



Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals	
Not applicable	
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.	
National Regulations	
UK	Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment.
WGK Classification	Water endangering class = non-hazardous to waters (self-classification).
Chemical safety assessment	
Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures.	

Section 16: Additional Notes	
Documented By	Ausamics Life Science Sales@Ausamics.com
Revision date	June 06, 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.