



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Sodium Pyruvate		
Catalogue Number:	ASC-1016	CAS Number:	113-24-6
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification					
Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)					
Serious Eye Damage/Eye Irritation		Category 2			
Skin Sensitization		Category 1B			
Label Elements					
Signal Word	Warning				
Hazard Statements	May cause an allergic skin reaction Causes serious eye irritation.				
Precautionary Statements Prevention	Wash face, hands and any exposed skin thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection.				
Skin	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.				
Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.				
Disposal	Dispose of contents/container to an approved waste disposal plant.				
Hazards not otherwise classified (HNOC)	None identified				

Section 3: Composition / Information on Ingredients		
Component	CAS No	Weight %
Propanoic acid, 2-oxo-, sodium salt	113-24-6	>95

**Section 4: First Aid Measures**

General Advice	If symptoms persist, call a physician.
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. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms and effects	None reasonably foreseeable. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.
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			
Upper	No data available		
Lower	No data 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). Sodium oxides.		
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
2	1	0	N/A

**Section 6: Accidental Release Measures**

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	Should not be released into the environment.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and storage

Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep refrigerated. Incompatible Materials. 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. Ensure that eyewash stations and safety showers are close to the workstation location.

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	Off-white
Odor	No information available
Odor Threshold	No information available
pH	5.5-6.5 10% soln.(20°C)
Melting Point/Range	> 300 °C / > 572 °F
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	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	47 g/100 ml (20°C)
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C ₃ H ₃ NaO ₃
Molecular Weight	110.04

Section 10: stability and Reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Sodium oxides
Hazardous Polymerization	No information available.
Hazardous Reactions	None under normal processing.

Section 11: Toxicological Information

Acute Toxicity
Product Information
Component Information



Component	LD50 Oral	LD50 Dermal	LC50 Inhalation			
Propanoic acid, 2-oxo-, sodium salt	5600 mg/kg (Rat)	Not listed	Not listed			
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	May cause sensitization by skin contact					
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.					
Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Propanoic acid, 2-oxo-, sodium salt	113-24-6	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	Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing					
Endocrine Disruptor Information	No information available					
Other Adverse Effects	The toxicological properties have not been fully investigated.					

Section 12: Ecological Information	
Ecotoxicity	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate the ground water system. 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.
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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
Propanoic acid, 2-oxo-, sodium salt	113-24-6	X	ACTIVE	-

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

- - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

Not applicable

TSCA 12(b) - Notices of Export

Not applicable

International Inventories

China, X = listed, Australia, U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (KECL), China (IECSC), Japan (ENCS), Philippines (PICCS), Taiwan (TCSI), Japan (ISHL), New Zealand (NZIoC), Japan (ISHL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Propanoic acid, 2-oxo-, sodium salt	113-24-6	X		204-024-4	X	X	X	X	X	KE-27653

U.S. Federal Regulations

SARA 313	Not applicable
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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					
Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)	
Propanoic acid, 2-oxo-, sodium salt	113-24-6	-	-	-	
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)
Propanoic acid, 2-oxo-, sodium salt	113-24-6	Not applicable	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC)	Seveso III Directive (2012/18/EC)	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)



		Qualifying Quantities for Major Accident Notification	Qualifying Quantities for Safety Report Requirements		
Propanoic acid, 2-oxo-, sodium salt	113-24-6	Not applicable	Not applicable	Not applicable	Not applicable

Section 16: Additional Notes

Documented By	Ausamics Life Science Sales@Ausamics.com
Revision date	June 03, 2023
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.