



SAFETY DATA SHEET

ASC-8016
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Sodium Pyruvate Powder

Prepared in accordance with the Globally Harmonized System (GHS) of Classification and Labelling of Chemicals, as adopted under the Work Health and Safety Regulations (Australia).

SECTION 1 — IDENTIFICATION

Product Name	Sodium Pyruvate Powder
Catalogue Number	ASC-8016
CAS Number	113-24-6
Molecular Formula	$C_3H_3NaO_3$
Synonyms	Pyruvic acid, sodium salt; 2-Oxopropanoic acid sodium salt; α -Ketopropionic acid sodium salt
Recommended Use	Laboratory reagent, microbiological media component, and cell culture medium supplement. Not for food, therapeutic, or veterinary use unless separately qualified.
Supplier	AuSaMicS Pty Ltd, 36/25 Trafalgar Road, Epping VIC 3076, Australia Phone: +61 412 520 598 Email: support@ausamics.com
Emergency Telephone	AuSaMicS Pty Ltd: +61 412 520 598 (business hours, AEST) Poisons Information Centre (Australia): 13 11 26 (24 hours)

SECTION 2 — HAZARDS IDENTIFICATION

GHS Classification:

Hazard Class	Category	Hazard Statement
Eye irritation	Category 2	H319 — Causes serious eye irritation
Skin sensitisation	Category 1B	H317 — May cause an allergic skin reaction

Signal Word: **WARNING**

Pictograms: GHS07 (Exclamation Mark). Precautionary Statements: P261 (Avoid breathing dust), P264 (Wash hands thoroughly after handling), P272 (Contaminated work clothing should not be allowed out of the workplace), P280 (Wear protective gloves/eye protection), P302+P352 (IF ON SKIN: wash with plenty of water), P305+P351+P338 (IF IN EYES: rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing), P333+P313 (If skin irritation or rash occurs: get medical advice/attention), P337+P313 (If eye irritation persists: get medical advice/attention).

Other hazards: This substance does not meet the criteria for PBT or vPvB.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Concentration
Sodium Pyruvate	113-24-6	204-024-4	≥ 99%

Substance (not a mixture). Molecular weight: 110.04 g/mol.

SECTION 4 — FIRST AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention if discomfort persists.
Skin Contact	Wash with plenty of water. Remove contaminated clothing. Seek medical attention if irritation or rash develops.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek immediate medical attention — this substance is a Category 2 eye irritant.
Ingestion	Rinse mouth. Seek medical advice if a large amount is ingested or if discomfort occurs.
Most Important Symptoms	May cause serious eye irritation. May cause an allergic skin reaction (sensitisation) — symptoms may include rash, redness, or itching, potentially on subsequent exposure.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing media appropriate to the surrounding fire; product itself has low flammability risk.
Unsuitable Extinguishing Media	None known.
Specific Hazards	Not flammable, not explosive. Thermal decomposition may release oxides of carbon and sodium oxides.
Advice for Firefighters	Wear standard fire-fighting protective equipment and self-contained breathing apparatus if significant smoke/fume is present.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Avoid contact with skin and eyes. Wear appropriate PPE (Section 8).
Environmental Precautions	Not expected to pose a significant environmental hazard.
Containment & Clean-Up	Sweep or vacuum carefully (avoid dust generation) and collect in a suitable labelled container for disposal.

SECTION 7 — HANDLING AND STORAGE

Handling Precautions	Handle in a well-ventilated area. Avoid generating or inhaling dust. Avoid skin and eye contact. Wash hands thoroughly after handling.
Hygiene Measures	Remove and launder contaminated clothing before reuse. Do not eat, drink, or smoke while handling.
Storage Conditions	Store in a tightly closed container, protected from moisture and light, at 0–10°C (refrigerated) or as otherwise specified on the product label.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standard	No specific Australian Workplace Exposure Standard established. Apply the general inhalable dust limit (10 mg/m ³) as a precaution.
Eye/Face Protection	Chemical safety goggles required — this substance is a Category 2 eye irritant.
Hand Protection	Chemically resistant protective gloves (e.g. nitrile) required — this substance is a skin sensitiser.
Skin/Body Protection	Laboratory coat and suitable protective clothing to prevent skin contact.
Respiratory Protection	Not normally required with adequate ventilation; use a dust mask/respirator where dust generation is significant.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Solid, crystalline powder
Appearance	White to off-white crystalline powder
Melting Point	> 300°C (decomposes)
Solubility in Water	Soluble (clear, colourless solution)
Flammability	Not flammable

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions; best stored refrigerated (0–10°C) to maintain purity.
Reactivity	No significant reactivity hazards under normal use.
Hazardous Polymerisation	Will not occur.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon and sodium oxides on strong heating.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	Low acute oral toxicity based on available data. Sodium pyruvate is a normal metabolic intermediate.
Skin Corrosion/Irritation	May cause an allergic skin reaction (Skin Sensitisation, Category 1B).
Eye Damage/Irritation	Causes serious eye irritation (Category 2).
Respiratory Sensitisation	No data available.
Carcinogenicity/Mutagenicity/Reproductive Toxicity	No evidence of carcinogenicity, mutagenicity, or reproductive toxicity based on available data.

SECTION 12 — ECOLOGICAL INFORMATION

Aquatic Toxicity	No specific ecotoxicological data available; sodium pyruvate is a naturally occurring metabolic intermediate and is not expected to bioaccumulate.
Persistence/Degradability	Expected to be readily biodegradable.
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of contents/container as laboratory chemical waste via a licensed waste contractor, in accordance with Australian Commonwealth, state/territory, and local regulations. Do not discharge to drains or waterways in bulk quantities.

SECTION 14 — TRANSPORT INFORMATION

Not classified as Dangerous Goods under the Australian Dangerous Goods (ADG) Code, IATA, or IMDG regulations. No UN Number applicable.

SECTION 15 — REGULATORY INFORMATION

Sodium pyruvate (CAS 113-24-6) is subject to standard Australian workplace chemical requirements under the WHS Regulations and GHS classification and labelling. Users should confirm current listing status on the Australian Industrial Chemicals Introduction Scheme (AICIS) and consult Safe Work Australia's Hazardous Chemical Information System for the most current classification and exposure standards prior to use.

SECTION 16 — OTHER INFORMATION

SDS Reference	SDS-ASC-8016-NaPYR
Revision Date	11 Dec 2025
Prepared By	AuSaMicS Pty Ltd
Next Review	August 2028
Abbreviations	GHS = Globally Harmonized System; WHS = Work Health and Safety; PBT = Persistent, Bioaccumulative, Toxic; vPvB = very Persistent, very Bioaccumulative

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