GREEN VALLEY LABORATORY

Safety Data Sheet

Product Name	SODIUM PCA P-50
Revision Date	JUNE 1, 2026
Supplier	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com; Phone: n/a
Emergency Contact	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) — +1 703-527-3887 (Europe)

SECTION 1 – Identification

Product name	SODIUM PCA P-50
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SECTION 2 – Hazard Identification

GHS classification of the substance/mixture (classified according to GHS Rev.4)

Physical hazards	No special notes (Please refer to below note)
Health hazards	No special notes (Please refer to below note)
Environmental hazards	No special notes (Please refer to below note)
Note	Items not described above correspond to “Not classified” or “Classification not possible.” For details, see Sections 9 to 12 and Section 16.

GHS label elements

Symbol	None
Signal words	None
Hazard statements	None
Precautionary statements – Prevention	None
Precautionary statements – Response	None
Precautionary statements – Storage	None
Precautionary statements – Disposal	None

SECTION 3 – Composition / Information on Ingredients

Classification of substance/mixture	Mixture

Component	PCPC INCI Name	Concentration*1	CAS Number
Sodium DL-Pyrrolidonecarboxylate	Sodium PCA	50%	54571-67-4
Water	Water	50%	7732-18-5

*1 Typical concentration

SECTION 4 – First Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call doctor if you feel unwell.
Skin contact	Wash thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Call doctor if you feel unwell.

SECTION 5 – Fire Fighting Measures

Extinguishing media	Small fires: Carbon dioxide (CO_2), pressurized dry chemical and dry sand. Large fires: Use foam extinguishers to separate the flame/ignition source from the product surface.
Unsuitable extinguishing media	Straight stream.
Specific hazards	Burning may generate harmful gases such as carbon monoxide and/or nitrogen oxides. Be careful not to breathe in harmful gases.
Special protective actions for fire-fighters	Fire-fighting should be done from the windward side. Wear suitable protective equipment.

SECTION 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear suitable protective equipment (see Section 8 of this document) to prevent contacts on eyes and skin, and inhalation. Stay on the windward side of the leak.
Environmental precautions	Discharge into the environment must be avoided.
Containment and neutralization	Contain spillage and collect with non-combustible absorbent material (e.g. sand, earth). Transfer to a tightly-closed container for disposal according to the local regulations.
Prevention of a secondary disaster	Prevent further leakage if safe to do so. Do not let the product enter drains, basements and enclosed spaces.

SECTION 7 – Handling and Storage

Precautions for safe handling

Technical measures	Places for storing or utilizing this product should be equipped with facilities for washing eyes and bodies of workers.
Hygiene measures	Wash hands thoroughly after handling this product.

Conditions for safe storage, including any incompatibilities

Storage conditions	Places for storage should be equipped with lighting and ventilation. Keep the product away from oxidizing agents. Containers should be tightly-closed. Do not keep this product in a container after opening, microorganisms may grow.

SECTION 8 – Exposure Controls / Personal Protection

Control parameters	USA. ACGIH Threshold Limit Values (2009): No settings.
Occupational exposure limit values (biological limit values)	No data available.
Appropriate engineering controls	When vapors are generated, use a local exhaust ventilation etc. according to the situation.
Respiratory protection	Wear respiratory protection when ventilation is insufficient.
Hand protection	Wear protective gloves.
Eye protection	Wear safety glasses, goggles etc.
Skin/body protection	Wear suitable protective clothing.

SECTION 9 – Physical and Chemical Properties

Property	Value
Appearance – physical state	Liquid
Appearance – colour	Colorless
Odour	Odorless
pH	6.8 - 7.4 [Neat, 25 °C]
Melting point/freezing point	-35 °C
Initial boiling point and boiling range	Boiling point: 108 °C
Flash point	> 100 °C
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	Lower than water.
Relative density	1.26–1.30 g/cm³ [at room temperature]
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	350 °C
Viscosity	16.5 cP [at 30 °C]

SECTION 10 – Stability and Reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Decomposes with heat under strong alkaline condition.
Possibility of hazardous reactions	No special notes.
Conditions to avoid	No special notes.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Burning can generate carbon monoxide, nitrogen oxides.

SECTION 11 – Toxicological Information

Endpoint	Information
Acute toxicity – Oral	Please refer to Section 16.
Acute toxicity – Dermal	No data available.
Acute toxicity – Gases / vapours	No data available.
Skin corrosion / irritation	Please refer to Section 16.
Serious eye damage / eye irritation	Please refer to Section 16.
Respiratory sensitization	No data available.
Skin sensitization	Please refer to Section 16.
Germ cell mutagenicity	Please refer to Section 16.
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

Ecotoxicity – Acute aquatic toxicity	No data available.
Ecotoxicity – Chronic aquatic toxicity	No data available.
Persistence and degradability	Please refer to Section 16.
Hazardous to the ozone layer	None of the controlled substances listed in Annexes to the Montreal Protocol is contained at a concentration of 0.1% or more, thus classification is not possible.

SECTION 13 – Disposal Considerations

Residual waste	Dispose product and packaging material according to local regulations. On entrusting waste disposal to a licensed disposal company, notify a company of the danger and hazard.
Packaging material	Packaging materials should be cleaned with contents completely removed, when recycling or disposal.

SECTION 14 – Transport Information

International regulations	IMDG: No special notes. ICAO/IATA: No special notes.
Marine pollutant	No
Transport in bulk	No
Safety precautions during transportation	Make sure that there is no breakage or corrosion of the container, no leakage of contents, before transportation. Avoid direct sunlight. Load the containers not to overturn, fall, break and leak the contents during transportation. Prevent the load collapse. Do not put heavy loads on top of this product.

SECTION 15 – Regulatory Information

No information available.

SECTION 16 – Other Information

Topic	Information
Acute oral toxicity (Mice)	LD_{50} = 10.4 g/kg BW
Primary skin irritation (Rabbits)	Non-irritant (50% solution, Draize test)
Primary eye irritation (Rabbits)	Non-irritating (50% solution, Draize test)
Skin sensitization (Guinea-pigs)	Negative (Maximization test)
Bacterial reverse mutation test	Negative (Pre-incubation method) S. typhimurium TA98, TA100
Persistence and degradability	Biodegradability study (Method: OECD TG301C Modified MITI (I)): 74.4% degraded after 28 days.
References	ACGIH-TLV (2009)

Additional note: This product is intended for use as a cosmetic ingredient; test methods may differ in conditions from OECD test guidelines in some cases, and some tests may not follow GLP compliance. The cited results are shown as reference and were not used for GHS classification.

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