

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: PaleoPower®

MANUFACTURERS NAME: Ancient Organics Bioscience, Inc.

ADDRESS: 793 E. Foothill Blvd, Ste 37, San Luis Obispo, CA 93405 USA

TELEPHONE NUMBER: 415-686-2000

DATE PREPARED: November 7, 2025

RECOMMENDED USES: Apply to soil to enhance biological activity in rhizosphere and improve soil health. PaleoPower is a soil and plant probiotic that promotes plant growth and remediates certain soil contaminants in a single formulation. This self-sustaining microbial guild has been intentionally designed to support soil health and improve nutritional uptake in plants to accelerate growth and increase yield in a natural, organic way without the use of chemical fertilizers

RESTRICTIONS ON USE: Not for human or animal consumption. For agricultural use only.

SECTION II: HAZARDS IDENTIFICATION

Not classified as a hazardous material by the criteria of the OSHA Hazard Communication Regulation, 29 CFR Part 1910, PP 1910. 1200 "Hazard Communication"; or EPA 40 CFR Parts 300 & 355 and Public Law 99-499 CERCLA and SARA.

Per GHS Classification this material is not deemed hazardous under the criteria outlined in the Federal OSHA Hazard Communication standard 29CFR 1910.1200

SIGNAL WORD: None

PICTOGRAM: None

HAZARD STATEMENT: Mild eye irritant. May cause gastrointestinal upset if swallowed. Mild skin irritant. No adverse effects from inhalation expected under typical use conditions. Adequate ventilation should be present when using PaleoPower over extended periods of time. Open windows or ventilate via fan or other air-moving equipment if necessary.

PRECAUTIONARY STATEMENT: None

PREVENTION: Observe good industrial hygiene practices.

RESPONSE: Wash hands after handling.

CARCINOGENS: None listed by OSHA, IARC, or NTP as suspected carcinogens

STORAGE: Store away from incompatible materials.

DISPOSAL: Dispose of waste and residues in accordance with local authority requirements..

UNCLASSIFIED HAZARDS: None

TOXICITY: None

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC): None known

Contains Bio-Safety Level One Organisms as Classified by ATCC (safest classification)

While this product does not fall under the auspices of the WHMIS this Safety Data Sheet contains information critical to the safe handling and proper use of the product. This SDS should be retained & made available to all employees and end users of the product

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE

INGREDIENTS:	Class I bacterial cultures: <1% Water-based medium: >99%
CAS NUMBER	Not available
SYNONYMS:	Microbial bioenhancers, microbial biostimulants, soil probiotics

Does NOT contain any hazardous ingredients according to OSHA 29CFR 1910.1200 criteria

Does NOT contain any hazardous ingredients according to WHMIS criteria

SECTION IV: FIRST AID MEASURES

SKIN: Remove contaminated clothing and wash hands thoroughly after use. If irritation occurs consult with physician.

EYES: Flush eyes with cool water for 15 minutes, remove contact lenses and consult physician if irritation persists

INGESTION: If conscious rinse mouth and dilute with fluids. Consult physician or poison control for further treatment advice

INHALATION: Move person to fresh air and consult physician for further treatment advice.

NOTE TO PHYSICIAN (Antidote): N/A

OTHER: Contains molasses. Avoid product if you are allergic to any of its components

SECTION V: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for underlying cause of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus. Utilize appropriate means to extinguish fire

FLASH POINT: N/A

SPECIAL FIRE HAZARDS: None

SPECIFIC HAZARDS: None

SECTION VI: ACCIDENTAL RELEASE MEASURES

CLEANING PROCEDURES: Wear protective equipment as outlined in section VII. Vacuum or use wet clean-up techniques and place in properly labeled and closed container. Dispose of recovered material according to federal, state/provincial and local environmental regulations.

Waste is Non-Hazardous as defined by RCRA (40 CFR261)

REPORTABLE QUANTITY (RQ) UNDER CERCLA: No

SECTION VII: STORAGE, HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Do not get in eyes or ingest. Upon contact wash affected area with soap and water. Store in original container with lid tightly secured. Store product in a cool, dry place on a pallet or rack system, away from direct sunlight. Do not freeze; do not store above 30 °C; use within 30 months of manufacture.

OTHER: Always follow label directions

SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

OCCUPATIONAL EXPOSURE LIMITS: None established for the product or its components.
Treat as nuisance dust/mist.

HAND / SKIN PROTECTION: Skin protection (OSHA Approved) is recommended for those individuals with sensitive skin.

RESPIRATORY PROTECTION: Use general ventilation; no special engineering controls required under normal use

OTHER: Wear pants, shirt, shoes and socks

ENGINEERING CONTROLS:

Local exhaust or general ventilation to maintain exposure below PEL

PEL: See Section II on individual components

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Beige to dark brown liquid with characteristic fermentation odor

pH: 3.5 ± 0.5

FLAMMABILITY: Not flammable

MELTING POINT: N/A

FREEZING POINT: Approximately -5°C (23°F)

BOILING POINT: $\sim 100^{\circ}\text{C}$ (212°F)

EVAPORATION RATE: N/A

VAPOR DENSITY (Air = 1): N/A

SPECIFIC GRAVITY: NA

WATER SOLUBILITY: 100%

PARTITION COEFFICIENT: N/A

VISCOSITY: Not determined

AUTO-IGNITION TEMPERATURE: N/A

PREFERRED pH OF TANK MIX: 6 – 9

REACTIVITY: Not reactive under normal conditions of use.

CHEMICAL STABILITY Stable under recommended storage conditions.

POSSIBLE HAZARDOUS CONDITIONS: None known.

CONDITIONS TO AVOID: Extreme heat or freezing, direct sunlight for extended periods.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids or bases (if applicable).

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and smoke in case of fire.

SECTION X: STABILITY AND REACTIVITY INFORMATION

REACTIVITY: Not reactive under normal conditions of use.

CHEMICAL STABILITY Stable under recommended storage conditions.

POSSIBLE HAZARDOUS CONDITIONS: None known.

CONDITIONS TO AVOID: Extreme heat or freezing, direct sunlight for extended periods.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids or bases (if applicable).

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and smoke in case of fire.

SECTION XI: TOXICITY INFORMATION

LIKELY ROUTES OF EXPOSURE: Skin contact, eye contact, ingestion; inhalation of aerosols or mists.

SYMPTOMS: Irritation of skin/eyes. GI upset if ingested. No numerical toxicity data are available for the mixture. Based on available information, the mixture is expected to be of low acute toxicity.

MUTAGENIC EFFECTS: None known

TERATOGENIC EFFECTS: None known

DEVELOPMENTAL TOXICITY: None known

CARCINOGENIC EFFECTS: None known (I.A.R.C; B.N.T.P.). Threshold values, none

ACUTE EFFECTS: May cause irritation of the eyes and/or skin, gastrointestinal discomfort if swallowed

SENSITIZATION: Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.

SECTION XII: ECOLOGICAL INFORMATION

Composed of naturally occurring soil bacteria and food-grade ingredients. Not expected to persist or bioaccumulate at levels of concern. All components are listed or exempt from listing on TSCA inventory.”), but that’s not strictly required for OSHA SDS

Avoid direct discharge into streams, lakes, waterways & storm drains

ECOTOXICITY (AQUATIC AND TERRESTRIAL): No product specific data, deemed low toxicity based on individual components that comprise product

PERSISTENCE AND DEGRADABILITY: contains natural soil bacteria & food grade ingredients (microbial nutrients). Generally considered chemically inert in the environment

BIOACCUMULATIVE POTENTIAL: No product specific data, product is not expected to accumulate in soil or water based on individual components that comprise product

MOBILITY IN SOIL: No product specific data

OTHER ADVERSE EFFECTS: None observed

SECTION XIII: DISPOSAL CONSIDERATIONS

Non-hazardous waste. Dispose of unused product in accordance with local, state and federal regulations for Natural Soil Bacteria Protocol. Triple rinse container and recycle

SECTION XIV: TRANSPORT INFORMATION

PaleoPower is not hazardous for storage and transport according to the U.S. Department of Transportation Regulations (DTR) and does not require specific labelling to meet DTR guidelines.

DOT SHIPPING NAME: Not classified as hazardous

TRANSPORT HAZARD CLASS: Not classified as hazardous

UN NUMBER: Not required

HAZARD CLASS: Not classified as hazardous

PRIMARY HAZARD LABEL: Not classified as hazardous

SUBSIDARY RISK LABEL: Not classified as hazardous

WHMIS CLASSIFICATION: Not classified as hazardous

MARINE POLLUTANT: contains natural soil bacteria and food grade ingredients (microbial nutrients). Generally considered chemically inert in the environment

SECTION XV: REGULATORY INFORMATION

SARA 311/ 312: Not reportable

SARA 313: Not reportable

CERCLA: Not reportable

This product does not contain any ingredients on RCRA P or U lists of Federal Hazardous Waste, This product does not contain any ingredients on the Clean Air Act (CAA) list of Hazardous Waste.

SECTION XVI: OTHER INFORMATION

TO THE BEST OF OUR KNOWLEDGE THIS INFORMATION IS TRUE AND ACCURATE AND FURNISHED WITHOUT WARRANTIES ON NOVEMBER 7, 2025. REVISION NO. 2. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING THIS PRODUCT SHALL MAKE HIS/HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR THEIR PARTICULAR PURPOSE. THIS INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESSED OR IMPLIED WARRANTY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO TAKE APPROPRIATE PRECAUTIONS.