

Safety Data Sheet

SNS-Hydrobiotics

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer Sierra Natural Science, Inc., 1031 Industrial St. Unit C Salinas, CA 93901 - (831) 757-1702 - www.sierranaturalscience.com
Product Family SNS-Hydrobiotics
Trade Name(s) SNS-Hydrobiotics Probiotics for maintaining watering system
Recommended Uses Drip tubing and hydroponic reservoir support

24-Hour Emergency Phone Number CHMETREC (800) 424-9300

SECTION 2: HAZARD IDENTIFICATION

| EMERGENCY OVERVIEW | | HMIS | | |
|---------------------------|----------------|----------------------------|---------------|--|
| GHS Classification | | HEALTH | 0 | |
| Physical Hazards | Not Classified | FLAMMABILITY | 0 | |
| | | PHYSICAL HAZARD | 0 | |
| Health Hazards | Not Classified | PERSONAL PROTECTION | See Section 8 | |
| Signal Word | Not Applicable | | | |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS Number | Percentage |
|---|------------|------------|
| Proprietary anaerobic bacteria in a lactic acid and salt solution | NA | 1-2 % |

SECTION 4: FIRST AID MEASURES

Skin Contact Remove contaminated clothing including shoes. Wash area of contact with soap and water. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation occurs and persists.

Eye Contact Remove contact lenses if present. Immediately flush eyes with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Inhalation Remove affected person from source of exposure. Get medical attention if ill effects or discomfort persists.

Ingestion Do not induce vomiting because of danger of aspiration into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention if discomfort or ill effects occur.

SECTION 5: FIREFIGHTING MEASURES

Basic Firefighting Procedures

Product will not burn. Use fire-fighting procedures appropriate for surrounding fire. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition

Unusual Fire and Explosion Hazards

Irritating or toxic substances may be emitted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action

Isolate release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

Spill/Leak Procedure

Floor and surfaces may be slippery. Dike with sand or other noncombustible material. Flush area with water; use absorbent material and dispose of properly.

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SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling Wear proper protective equipment to avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture. Containers should be completely drained, properly closed, and disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Storage Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

| | | |
|------------------|--------------|-------------|
| Component | ACGIH | OSHA |
|------------------|--------------|-------------|

Not Applicable

Engineering Controls

Use exhaust ventilation to control vapor and mist.

Eye and Face Protection

Always wear safety glasses; use face shield if splashing is possible.

Skin Protection

Oil and chemical resistant gloves should be used to avoid prolonged or repeated contact.

Respiratory Protection

A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or misting.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------|----------------|---|----------------|
| Appearance/Physical State | Dark | Flash Point | Not Applicable |
| Specific Gravity (Water=1) | 1 | Upper/Lower Flammability Limits (Vol. %) | Not Applicable |
| pH | 3.5 | Auto-ignition Temperature | Not Applicable |
| Solubility in Water | Soluble | Decomposition Temperature | Not Determined |
| Odor | sweet | Vapor Pressure (kPa at 20°C / 68°F) | Not Determined |
| Odor Threshold | Not Determined | Vapor Density (Air=1) | Not Determined |
| Melting/Freezing Point | Not Determined | Partition Coefficient (n-octanol/water) | Not Determined |
| Boiling Range | Not Determined | Viscosity (40°C mm²/s) or (cSt at 40°C) | Not Determined |
| Initial Boiling Point | 212 °F | Critical Temperature | Not Determined |

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Does not react under normal conditions of use.

Chemical Stability Stable under normal conditions of use.

Stability/Incompatibility Avoid contact with strong oxidizers.

Conditions to Avoid Open flame or sources of ignition.

Hazardous Reactions/Decomposition Products

Does not decompose under normal conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--|--|
| Likely Routes of Exposure | Inhalation, skin, eyes |
| Acute Effects | LD ₅₀ and LC ₅₀ of the product are not determined but are expected to be high based on toxicity of components. Excessive contact, inhalation or ingestion may cause irritation or discomfort. Refer to Sections 2 and 4 for recommended actions. |
| Medical conditions aggravated by long term exposure | Eye, skin and respiratory disorders |
| Chronic Effects | Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions. |
| Symptoms | May include redness, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions. |
| Carcinogenicity | No components of this product are found to be carcinogens by NTP, IARC or OSHA. |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|-----------------|
| Ecotoxicity | Not Determined. |
| Persistence and Biodegradability | Not Determined |
| Bioaccumulative Potential | Not Determined |
| Mobility in Soil | Not Determined |

SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

| | |
|------------------------------------|---------------|
| DOT | Not Regulated |
| UN Proper Shipping Name/No. | Not Regulated |

SECTION 15: REGULATORY INFORMATION

| | |
|--|--|
| Chemical Inventory Lists | All ingredients are listed on TSCA and DSL |
| SARA (311/312) Reportable Hazard Categories | None |

SECTION 16: OTHER INFORMATION

Disclaimer: The data presented here relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The information set forth above is based on technical data believed to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, no warranties, expressed or implied are made, and no liability is assumed in connection with any use of this information. Judgments as to the suitability of this information for the user's purposes are necessarily the user's responsibility. Although reasonable care has been taken in the preparation of this information, no responsibility is assumed as to the accuracy or suitability of this information for its application to the users intended purpose or for consequences of its use. Potential Health Effects: This product is a mixture for which no specific health hazard data exists. OSHA requires that one should assume such mixtures present the same health hazards as do any components present in amounts greater than 1% (0.1% for carcinogens). Consumers accessing our SDS information should keep in mind the information is presented in a format required by the U.S. Government's Occupational Safety and Health Administration (OSHA). We provide SDS as a service for our business customers. These industrial SDS are not applicable to consumer use of these products. We thoroughly evaluate the safety aspects of all of our consumer products prior to their use in the home.

Prepared By: [Sierra Natural Science, Inc.](#)