Safety Data Sheet

Perfect Mix Micro Formula

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer Sierra Natural Science, Inc., 1031 Industrial Street Unit C, Salinas, CA 93901 - (831) 757-1702 - www.sierranaturalscience.com
Product Family Liquid Fertilizer
Trade Name(s) Perfect Mix Micro Formula
Recommended Uses Soil drench and foliar spray fertilizer with micronutrients for house plants and gardens

24-Hour Emergency Phone Number, CHEMTREC - Tel: (800) 424-9300

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW						
		HMIS				
GHS Classification		HEALTH	1			
Physical Hazards	Not Classified	FLAMMABILTY	0			
		PHYSICAL HAZARD	0			
Health Hazards	See Below	PERSONAL PROTECTION	See Section 8			
Signal Word	WARNING					

Eye Damage/Irritation Category 2B – Mild irritant. Causes eye irritation.
Skin Corrosion/Irritation Not classified.

Precautionary Statements
Wash hands or other contact areas thoroughly after handling.
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 or attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
NONE product is a liquid mixture no specific CAS number		

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.

Known Hazardous Products of Combustion:
Oxides of nitrogen can be released under intense heat.

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.

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 green liquid	**Flash Point**	Not Applicable
Specific Gravity (Water=1)	1	**Upper/Lower Flammability Limits (Vol. %)**	Not Applicable
pH	Not Determined	**Auto-ignition Temperature**	Not Applicable
Solubility in Water	Soluble	**Decomposition Temperature**	Not Determined
Odor	Slight fishy	**Vapor Pressure (kPa at 20°C / 68°F)**	Not Determined
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	Not Determined
Melting/Freezing Point (°F/°C)	Not Determined	**Partition Coefficient (n-octanol/water)**	Not Determined
Boiling Range (°F/°C)	Not Determined	**Viscosity (40°C mm^2/s) or (cSt at 40°C)**	Not Determined
Initial Boiling Point (°F/°C)	Not Determined	**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.

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/Number	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

Notice The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Prepared By Sierra Natural Science, Inc.