



Mother Load

Safety Data Sheet

Revision Date: 02/08/2019
Issue Date: 02/08/2019
Version 1.0

SECTION 1: Identification

Product Identifier

Product form: Mixture

Substance name: Mother Load

Synonyms: Raw Apple Cider Vinegar, Apple Cider Vinegar

Recommended Use Of The Product: Poultry nutrient supplement

Supplier's Details:

Southland Organics

189 Luke Road

Bogart, GA 30622

(800) 608-3755

Emergency telephone number:

(800) 608-3755

SECTION 2: Hazard Identification

GHS Classification:

Class	Signal Word/Symbol	Hazard Statement
Causes Eye Irritation - 2A	Warning	H319: Causes serious eye irritation

GHS Precautionary Statements:

Prevention: P264: Wash exposed skin thoroughly after handling.

P280: Wear eye and face protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Storage: None

Disposal: None

Other hazards: Prolonged or excessive inhalation may cause respiratory tract irritation.

SECTION 3: Composition/Information on Ingredients

Mixture

Name	CAS	% Composition
Acetic acid	64-19-7	3.5%-8.75%
Garlic powder	539-86-6	0.5%-1.25%
Water	7732-18-5	90% - 96%

SECTION 4: First aid measures

Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water. May be Irritating to the eyes.

Skin contact: Contact may cause slight skin irritation. If skin irritation occurs, flush skin with plenty of water.

Inhalation: If odor causes irritation, remove to fresh air. Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: Intended for ingestion, however if consumed in large amounts, water should be consumed to dilute. Do not induce vomiting. Do not give emetics or baking soda.

SECTION 5: Fire-fighting measures

Extinguishing media: N/A
Specific hazards: N/A
Special Fire Fighting Methods: N/A

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Protect eyes from exposure. Avoid prolonged breathing of vapor and skin exposure.
	INITIAL CONTAINMENT: Water may be used to dilute. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.
	LARGE SPILLS PROCEDURE: Water may be used to dilute. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.
	SMALL SPILLS PROCEDURE: Water may be used to dilute. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial and national requirements.
Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

SECTION 7: Handling and Storage

Precautions for safe handling:

Avoid breathing vapor. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities:

Keep container closed when not in use. Store in a well ventilated place.

Incompatibilities: Strong oxidizers, metals, strong bases.

SECTION 8: Exposure Controls/Personal Protection

Control parameters: Operations with potential for generating high concentrations of fumes should be evaluated and controlled as necessary.

Exposure Limits: No permissible exposure limits (PEL) or threshold limit values (TLV) exist for vinegar.

Appropriate engineering controls: Emergency eye wash stations should be available in the immediate vicinity. Good general ventilation should be sufficient to control airborne levels.

Hand protection: Wear protective gloves as needed for handling.

Eye Protection: Wear eye protection as needed for handling. Use goggles or face shield when splashing is likely.

Skin and Body Protection: General clothing is adequate.

Respiratory Protection: Under normal use conditions, with adequate ventilation no special handling equipment is required.

SECTION 9: Physical and Chemical Properties

Physical State	Liquid
Odor	Strong Vinegar
Odor threshold	No data available
pH	2.3
Relative evaporation rate	No data available
Melting point	Vinegar @ 30F (Acetic Acid @ 62F)
Boiling point	214F @ 760 mm Hg and 10% acetic acid
Flash Point	Does not flash
Evaporation rate	No data available
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Vapor pressure	0.42 mm Hg @ 70 F at 10% acetic acid
Relative vapor density at 20 C	2.1 (Air = 1)
Relative density	No data available
Density	1.01 (water = 1)
Solubility	Complete
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available
Viscosity	0.894

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Stable under normal conditions.

Possibility Of Hazardous Reactions: Contact with strong oxidizing agents or strong bases may result in the release of heat or gas.

Incompatible Materials: Water reactive materials, acetic anhydride, caustics, oxidizing materials, carbonates, strong bases.

Hazardous Decomposition Products: Decomposition will not occur if handled and stored properly.

SECTION 11: Toxicology Information

Routes of Entry: Inhalation, ingestion and skin contact

Symptoms (acute): Respiratory irritation

Delayed effects: No data available

Acute Toxicity: No toxic effects are likely (other than eye irritation from direct contact, or respiratory irritation from excessive exposure to vapor).

Skin corrosion/irritation: Solutions of 3.3% and 10% acetic acid produced primary dermal irritation index (PDII) scores of 0.5 and 1.1, respectively, when tested with rabbits.

Serious eye damage/irritation: Prolonged or excessive inhalation may cause eye irritation.

Carcinogenicity: No evidence of a sensitization effect

Mutagenicity: No evidence of a sensitization effect

Teratogenicity: No evidence of a sensitization effect

Sensitization: No evidence of a sensitization effect

Reproductive: No evidence of a sensitization effect

SECTION 12: Ecological Information

Ecotoxicity: This material is not expected to be harmful to the environment.

Persistence and degradability: Biodegrades readily under aerobic and anaerobic conditions.

Bioaccumulative potential: No tendency to bioaccumulate.

Mobility in soil: No data.

Other adverse effects: No data.

Acute or chronic toxicity to aquatic organisms: The low pH may result in acute ecotoxicity effects to organisms.

Chemical	CAS #	Ecotoxicity
Water	7732-18-5	No data available
Garlic Powder	539-86-6	No data available
Acetic Acid	64-19-7	Aquatic 96-h LC50 Fluegill Sunfish 75 mg/L
		Aquatic 96-h LC50 Mosquito Fish 251 mg/L
		Aquatic 96-h LC50 Fathead Minnow 79 mg/L
		Aquatic 24-h LC50 Daphnia 47 mg/L
		Aquatic 24-h EC50 at pH 7 Daphnia 6,000 mg/L
		Aquatic 48-h EC50 Daphnia 65 mg/L
		Aquatic Plants 8-day growth inhibition 4,000 mg/L

SECTION 13: Disposal Considerations

For disposal, dispose in accordance with local, state/provincial, and national requirements.

SECTION 14: Transport Information

Not regulated

SECTION 15: Regulatory Information

FDA (Food and Drug Administration): Vinegar is a GRAS (Generally Recognized as Safe) food ingredient.

SECTION 16: Other Information

All information contained in this SDS is believed to be accurate based on the information available at this time. No warranties, expressed or implied, are made.