



**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier: Cultivation Nation pH Down**

**SECTION 1: IDENTIFICATION**

**Product Identifier:** Cultivation Nation pH Down

**Product Description:** Liquid pH adjuster

**Manufacturer:** United Compost & Organics  
dba FoxFarm Soil & Fertilizer Company  
PO Box 787, Arcata, CA 95518  
1900 Bendixsen Street, Samoa, CA 95564  
foxfarm@foxfarm.com  
(800) 436-9327 or (707) 443-4369 for product information  
www.foxfarm.com

**Emergency Telephone Number:** (707) 443-4369, M-F 8:30am–5:00pm PST.

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Classifications:**

- Flammability – n/a (inherently noncombustible)
- Health – Category 2 (causes serious eye irritation, causes skin irritation)
- Instability/Reactivity – n/a (stable)

**Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H319 Causes serious eye irritation

**Precautionary Statements:**

- P102 Keep out of the reach of children
- P262 Do not get in eyes, on skin, or clothing
- P264 Wash skin thoroughly after handling
- P280 Wear protective clothing, gloves and safety eye goggles

**Storage:**

Store in a safe manner in a container with a tightly fitting lid.

**Disposal:**

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier: Cultivation Nation pH Down**

Dispose of contents/container in accordance with federal, state and local regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Characterization:** Mixture

Component	CAS Number	%
Citric acid	77-92-9	Trade secret
Molasses	68476-78-8	Trade secret

The specific identity and/or exact percentage of composition is not provided because it is a trade secret. Product is not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

**SECTION 4: FIRST-AID MEASURES****Inhalation:**

If vapors, mist or spray cause irritation or distress, remove to fresh air. Seek medical attention if necessary.

**Skin Contact:**

Immediately remove all contaminated clothing. Flush contaminated skin with plenty of water. Wash contaminated clothing before reuse. Seek medical attention is necessary.

**Eye Contact:**

Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Seek medical attention if necessary.

**Ingestion:**

Rinse mouth with plenty of water. Do not induce vomiting. Seek medical attention if necessary.

**Notes to Physician:**

Treat symptomatically. May cause serious eye irritation and skin irritation.

**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Water spray, dry chemical, carbon dioxide, foam.

**Specific Hazards During Fire Fighting:**

No further relevant information is available.



### Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier:** Cultivation Nation pH Down

**Special Protective Equipment for Fire Fighters:**

Wear protective clothing and equipment.

**Further Information:**

No further relevant information is available.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or spray. Keep unprotected persons away. Do not swallow.

**Protective Equipment:**

Wear protective clothing, gloves and safety eye goggles.

**Environmental Precautions:**

Avoid discharge into environment.

**Methods of Containment and Cleanup**

Contain all spills and leaks to prevent discharge into the environment. Use appropriate tools to transfer spill material to proper disposal container, or recover material and use it for its intended purpose.

#### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:**

Wear personal protective equipment as necessary. Emergency eye wash stations should be in the near proximity to operations presenting a potential splash exposure. Avoid repeated and/or prolonged skin exposure. Avoid overheating or freezing.

**Conditions for Safe Storage, Including Incompatibilities:**

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

**Further Information:**

Use good personal hygiene practices. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.



Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

Product Identifier: Cultivation Nation pH Down

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Occupational Exposure Limits (lists that were valid at creation used as basis):

Component	CAS Number	Type	Value
n/a	n/a	n/a	n/a

Personal Protective Equipment (PPE)

Engineering Measures:

No further relevant information available.

Eye Protection:

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying. Ensure that eyewash stations are close to the workstation.

Hand Protection:

To prevent skin contact wear chemical resistant gloves, and protective clothing as necessary.

Skin and Body Protection:

Wear protective clothing to prevent skin contact. Promptly remove contaminated clothing and launder before re-use.

Respiratory Protection:

No special equipment required. Avoid fine spray/mist through proper handling. Avoid breathing mist. Wear approved respiratory equipment if necessary.

General Protective and Hygienic Practices:

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Avoid repeated and/or prolonged skin exposure. Use good personal hygiene practices. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown liquid

Odor: Vinegar

Odor Threshold: Not determined

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier: Cultivation Nation pH Down****pH:** 2.0 – 2.2**Specific Gravity (Relative Density):** 1.238 +/- 0.05**Solubility:** Soluble**Melting Point/Freezing Point:** 0°C / 32°F**Initial Boiling Point and Boiling Range:** 100°C / 212°F**Danger of Explosion:** Material does not present an explosion hazard.**Flammability:** n/a**Flash Point:** n/a**Auto-Ignition Temperature:** Material is not self-igniting.**Decomposition Temperature:** Not determined.**Vapor Pressure:** Not determined.**Vapor Density:** Not determined.**Evaporation Rate:** Not determined.**Viscosity:** Not viscous.**Partition Coefficient (n-octanol/water):** Not determined.**SECTION 10: STABILITY AND REACTIVITY****Reactivity:** No further relevant information available.**Chemical Stability:** The product is stable.**Possibility of Hazardous Reactions:** Under normal conditions, hazardous reaction will not occur.**Hazardous Decomposition:** No known hazardous decomposition products.**Conditions to Avoid:** Avoid heat.**Incompatible Materials:** No further relevant information available.

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier: Cultivation Nation pH Down****SECTION 11: TOXICOLOGICAL INFORMATION****Acute Toxicity****Relevant Numerical Measure of Toxicity:**

Data not available.

**Likely Routes of Exposure:**

Eye contact, skin contact, inhalation. Ingestion is not expected to be a likely route of exposure through normal product use.

**Immediate Exposure Effects:**

Eye contact: May cause serious eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May cause upper respiratory irritation.

Ingestion: Harmful if swallowed. May cause stomach pain. May cause irritation to mouth, throat and stomach.

**Delayed Exposure Effects:**

Data not available.

**Symptoms of Exposure:**

Inhalation: May cause upper respiratory irritation or pulmonary effects.

Skin and/or Eye contact: May cause irritation and/or redness.

Ingestion: May cause irritation to mouth and throat. May cause stomach pain.

**Chronic Toxicity****Relevant Numerical Measure of Toxicity:**

Data not available.

**Likely Routes of Exposure:**

Eye contact, skin contact, inhalation. Ingestion is not expected to be a likely route of exposure through normal product use.

**Immediate Exposure Effects:**

Eye contact: May cause serious eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May cause upper respiratory irritation.

Ingestion: Harmful if swallowed. May cause stomach pain. May cause irritation to mouth, throat and stomach.

**Delayed Exposure Effects:**

Data not available.

**Symptoms of Exposure:**

Inhalation: May cause upper respiratory irritation or pulmonary effects.

Skin and/or Eye contact: May cause irritation and/or redness.

Ingestion: May cause irritation to mouth and throat. May cause stomach pain.

**Carcinogenic Categories****IARC (International Agency for Research on Cancer):**



### Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier:** Cultivation Nation pH Down

None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

**OSHA (Occupational Health & Safety Administration):**

None of the ingredients are listed.

#### SECTION 12: ECOLOGICAL INFORMATION

**General Notes:**

Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under federal and state regulations.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal:**

Dispose of container and unused contents in accordance with federal, state and local requirements.

**Further Information:**

Do not dispose of in sewage system.

#### SECTION 14: TRANSPORT INFORMATION

**General Notes:**

Not regulated for transport.

#### SECTION 15: REGULATORY INFORMATION

**OSHA Hazards**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act)**

Citric acid (CAS#77-92-7) is listed under the Toxic Substances Control Act Inventory.

**California Prop. 65**

This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**SARA Hazards**

**SARA 311/312 Hazards**



**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 8/1/2019

**Product Identifier: Cultivation Nation pH Down**

Acute Health Hazard: No  
Chronic Health Hazard: No  
Fire Hazard: No  
Sudden Release of Pressure Hazard: No  
Reactive Hazard: No

**SARA 313**

Citric acid (CAS#77-92-7) is subject to reporting levels established by SARA Title III, Section 313.

**EPA (Environmental Protection Agency)**

None of the ingredients are listed.

**TLV (Threshold Limit Value Established by ACGIH)**

TLV not established.

**NIOSH (National Institute for Occupational Safety and Health)**

Citric acid (CAS#77-92-7) is listed under the National Institute for Occupational Safety and Health (NIOSH).

**SECTION 16: OTHER INFORMATION**

The information and recommendations provided in this Safety Data Sheet are accurate to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship.