

## SAFETY DATA SHEET

CHOICE® TRIO SDS NUMBER: 1000597772-17-LPI SDS REVISIONS: SEC. 12 **DATE OF ISSUE: 10/24/17 SUPERSEDES: 10/05/16** 

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

# **IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

1.1 PRODUCT IDENTIFIER: CALIFORNIA REGISTRATION NO.: 34704-50092 | WASHINGTON REGISTRATION NO.: 34704-15003

TRADE NAME: **CHOICE® TRIO** 

1.2 RECOMMENDED USE: WATER CONDITIONING AGENT

1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS. INC.

P.O. Box 1286 • Greeley, CO 80632-1286

1.4 24-Hour Emergency Phone: 1-800-424-9300 - Medical Emergencies: 1-866-944-8565 - Product Information: 1-888-574-2878 (LPI-CUST) U.S. Coast Guard National Response Center: 1-800-424-8802

#### HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910.1200

Sensitization - Skin Category 1 H317 Category 2B H320 Eye Irritation Acute Toxicity - Inhalation Category 4 H332

#### 2.2 Label elements



Signal word: WARNING

Hazard Statement: H317 - May cause an allergic skin reaction.

H320 - Causes eye irritation.

H332 - Harmful if inhaled. Precautionary

Statement: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

(Prevention): P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 – Wear protective gloves/protective clothing/eye protection.

P264 - Wash hands thoroughly after handling. P271 – Use only outdoors or in a well-ventilated area.

Precautionary

Statement: P302+P352 - IF ON SKIN: Wash with soap and water.

(Response): P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P321 – Specific treatment (see First Aid on the product label).

P363 - Wash contaminated clothing before reuse.

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.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a poison center or doctor/physician if you fee unwell.

Precautionary Statement:

(Disposal): P501 - Dispose of contents in accordance with local, state and federal regulations. See label for additional information.

#### 2.3 Other hazards

None known

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### 3. COMPOSITION, INFORMATION ON INGREDIENTS

#### 3.1 Substances

Classification according to 29 CFR 1910.1200

3.2 Mixtures

Chemical Name: CAS No. Concentration [%]

- -

Poly(oxy-1,2-ethanediyl),

alpha-phenyl-omega-hydroxy-phosphate,

55.70%

Tris(2-hydroxyethyl)amine, 102-71-6

2-hydoxy-1,2,3-propanetricarboxylic acid

Other ingredients 44.30%

#### 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or

doctor for treatment advice.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5

minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to

swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth

to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by

mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Harmful if inhaled. Eye irritation.

4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically. Symptoms may be delayed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565

Take container, label or product name with you when seeking medical attention.

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the

patient.

#### 5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Foam, carbon dioxide (CO<sub>2</sub>), dry powder, water spray. Do not use water jet as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, oxides of carbon and silicon dioxide can be released.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires

involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate

fire and deny unnecessary entry.

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#### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid inhalation of vapors, dusts and spray mist and contact with skin and eyes. Ensure adequate

ventilation. Wear suitable protective clothing.

**6.2 ENVIRONMENTAL PRECAUTIONS** 

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter

drains, sewers, or watercourses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is

possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush

contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

Remove residual contamination.

Never return spills to original containers for re-use.

#### 7. HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Avoid inhalation of dusts, vapors / spray and contact with eyes, skin and clothing. Do not breathe

dusts, mist or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking

and/or smoking.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in original container. Keep tightly closed. Do not reuse empty container. Do not

contaminate water, food or feed by storage or disposal.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **8.1 CONTROL PARAMETERS:**

#### **OCCUPATIONAL EXPOSURE LIMITS**

U.S. Workplace Exposure Level (ACGIH) TLV®s

 Components
 Type
 Value

 Tris(2-hydroxyethyl)amine
 TWA
 5 mg/m³

**Biological limit values** 

**ACGIH Biological Exposure Indices** 

Components Value Specimen

No listings

## **8.2 EXPOSURE CONTROLS:**

### **Engineering Measures**

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

**Individual Protection Measures:** 

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Chemical resistant clothing is recommended. Routinely wash work clothing and protective equipment to remove

contaminants. The use of chemical-resistant gloves is recommended when handling undiluted product. Be aware

that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of dusts or vapors, use suitable respiratory equipment such as

MSHA/NIOSH approved respirator with approved filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are

unknown.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1** APPEARANCE: Viscous liquid

ODOR: Mild.

ODOR THRESHOLD: No data available.

COLOR: Brown. pH: 4.26 (neat)

MELTING POINT / FREEZING POINT: No data available BOILING POINT: No data available

FLASH POINT: No data available FLAMMABILILITY (solid, gas): No data available.

UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available.

VAPOR PRESSURE: No data available. SOLUBILITY: Dispersible

PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.

AUTO-IGNITION TEMPERATURE: No data available. DECOMPOSITION TEMPERATURE: No data available. VISCOSITY, dynamic: No data available. SPECIFIC GRAVITY (Water = 1): 1.165 g/ml

DENSITY: 9.72 lbs/gal |1.16 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

#### 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Stable

#### 10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

## 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Thermal decomposition by burning produces oxides of carbon. Will not polymerize.

# 10.4 CONDITIONS TO AVOID

High alkaline conditions.

# 10.5 INCOMPATIBILE MATERIALS

Strong bases and oxidizers.

# 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May release of oxides of carbon and oxides of sulfur in a fire situation.

## 11. TOXICOLOGICAL INFORMATION

#### 11.1 LIKELY ROUTES OF EXPOSURE

Eye contact, skin contact. **LC**<sub>50</sub> (rat): >2.15 mg/L

LD<sub>50</sub> Oral (female rat): >5,000 mg/kg LD<sub>50</sub> Dermal (rat): >5,000 mg/kg Acute Toxicity Estimates: No data available Skin Irritation (rabbit): Slight irritant Eye Irritation (rabbit): Mild irritant

Specific Target Organ Toxicity: Single exposure: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Sensitizer Carcinogenicity: No data available Germ Cell Mutagenicity: No data available

Interactive Effects: None known

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## 12. ECOLOGICAL INFORMATION

#### 12.1 ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Ecotoxicological Data** 

Components

Oncorhynchus mykiss 81 mg/L - 96-hour LC<sub>50</sub>  $> 100 \text{ mg/L} - 48\text{-hour EC}_{50}$ Daphnia magna

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

### 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: > 60%

#### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

### 12.4 MOBILITY IN SOIL

No data available.

# 12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

# 13. DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at http://www.acrecycle.org/. Do not contaminate water, food or feed by storage or disposal.

#### 14. TRANSPORT INFORMATION

# 14.1 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED.

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS 60)

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

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NFPA & HMIS Hazard Ratings: NFPA HMIS

Health Least Health Flammability Slight Flammability 1 Instability 2 Moderate 0 Reactivity PPE 3 В High

4 Severe

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N

Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed.

SARA, Title III, Section 313: Not listed RCRA Waste Code: Not listed CA Proposition 65: Not applicable

## 16. OTHER INFORMATION

SDS STATUS: Section 12 revised.

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

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