

1. Identification

- 1.1 **Product identifier** TEP-PROVEN 0-0-5
- 1.2 **Other means of identification:**
- Synonyms:** None
- 1.4 **Intended use:** Fertilizer
- 1.5 **Restrictions on use:** None
- 1.6 **Company Name:** TEP, Inc.
- 1.7 **Company Address:** 10700 Road 30
Madera, CA 93637
- 1.8 **Company Phone Number:** (559) 871-4565
- 1.9 **EMERGENCY PHONE NUMBER:** CHEMTREC (24-hr): 1-800-424-9300
CCN837478

2. Hazard(s) identification

2.1 **Classification of the substance or mixture – Non-regulated product**

Health	Physical	Environmental
Not applicable	Not applicable	Not applicable

- 2.2 **Label elements:** None required
Hazard symbol: None required
Signal word: None required
Hazard statements: None required

- 2.3 **Other hazards**
None known.

3. Composition/information on ingredients

Chemical Name	CAS Number	Weight %
Soluble Potash (K ₂ O)	7778-80-5	5-10%
Also contains non-plant food ingredients:		
Humic acids from leonardite		
Kelp – cold compressed by volume		

4. First aid measures

4.1 **Description of first aid measures**

- Ingestion** If swallowed, 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.

- Skin contact** If on skin or clothing, take off contaminated clothing.
Rinse skin immediately with water for 15 – 20 minutes.
If skin irritation occurs, consult a doctor for treatment advice.
- Eye contact** If in eyes, 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.
If eye irritation occurs, consult a doctor for treatment advice.
- Inhalation** If inhaled, move person to fresh air.
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
If symptoms occur, call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For emergencies, call a doctor or poison control center 1-800-222-1222.

4.2 Indication of immediate medical attention and special treatment needed

None indicated.

4.3 Most important symptoms and effects, both acute and delayed

Contact with eyes may cause irritation. May cause stomach distress, nausea or vomiting if ingested.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Dry chemical powder, water spray or CO₂. Fight larger fires with water spray or alcohol resistant foam.

5.2 Specific hazards arising from the substance or mixture

Hazardous gases may be emitted during fire, including potassium oxides and sulfur oxides.

5.3 Special protective equipment for firefighters

Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).

5.4 Firefighting instructions

Move containers out of fire area if possible to do so without risk. Do not breathe smoke, gases or vapors generated. Evacuate area. Dike runoff and do not allow runoff to enter sewers, storm drains or waterways.

5.5 Hazardous combustion products

None known.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Wear suitable protective clothing, gloves and eye protection. Keep unnecessary personnel away from and upwind of spill/leak. Ensure adequate ventilation.

6.2. Environmental precautions

Avoid discharge into drains, sewers, water courses or onto the ground.

6.3. Methods and materials for containment and cleaning up

Small spills: Absorb small spills using a non-combustible material like sand, vermiculite, sand or earth. Place contaminated material in labeled container for disposal. Clean surface thoroughly.

Large spills: Dike large spills using absorbent or impervious materials such as clay or sand. Allow absorbed material to solidify, scrape up and place in labeled container for disposal. After removal, flush contaminated area

thoroughly with water. Recover wash liquid with additional absorbent and place in container for disposal.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

7.1. Precautions for safe handling

Handling:

Do not breathe mist. Do not get into eyes, on skin or on clothing. Avoid prolonged exposure.

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Do not get in eyes or on skin or clothing. Do not ingest. Wash thoroughly after handling.

Advice on general occupational hygiene:

Do not eat, drink or smoke in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed container only. Store in a cool, dry area. Keep out of reach of children and keep animals away.

8. Exposure controls and personal protection

8.1. Occupational exposure limits

Not established.

8.2. Appropriate engineering control

Minimize airborne concentrations. Use only with adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety eyewear: glasses with side shields or goggles and a face shield.

Skin protection: Wear long sleeves and pants, shoes with socks.

Hand protection: Wear chemical resistant protective gloves to prevent skin exposure.

Respiratory protection: Use a suitable respirator when ventilation is inadequate.

Hygiene measures: Wash hands thoroughly after handling and before eating, drinking, smoking or using the toilet and at the end of the working period. Wash contaminated clothing before reusing. Do not breathe mist or spray.

9. Physical and chemical properties

Appearance

Physical state

Color

Odor

Odor threshold

pH

Melting point

Freezing point

Liquid

Dark Brown to Black

Odorless

No data available

8.7

No data available

No data available

Initial boiling point/range	No data available
Flash point	None
Evaporation rate	No data available
Flammability	Non-flammable
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Non-flammable
Flammability limit – upper (%)	Non-flammable
Explosive limit – lower (%)	Not applicable
Explosive limit – upper (%)	Not applicable
Vapor pressure	No data available
Bulk density	No data available
Relative vapor density	No data available
Solubility (water)	Soluble
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not self-igniting
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and reactivity

10.1 Reactivity

This product is stable and does not decompose under normal use and storage.

10.2 Chemical stability

Stable under usual work conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Avoid strong bases and strong oxidizing agents.

10.6 Hazardous decomposition products

May include, but not limited to: potassium oxides and sulfur oxides.

11. Toxicological information

11.1 Target organs

Eye contact, skin contact, inhalation, ingestion.

11.2 Routes of exposure

May cause skin and eye irritation. May cause stomach distress, nausea or vomiting if ingested.

11.3 Toxicological effects

Oral, LD ₅₀	No data available; may cause stomach distress, nausea or vomiting.
Dermal, LD ₅₀	No data available; may cause irritation.
Inhalation, LC ₅₀	No data available.
Skin irritation:	May cause skin irritation.
Eye irritation:	May cause eye irritation.

Skin sensitization: Not a skin sensitizer

11.4 Carcinogenic status

Does not pose any carcinogenic hazard.

11.5 Reproductive, teratogenicity, mutagenicity effects

Does not pose any hazards.

12. Ecological information

12.1 Aquatic toxicity

No aquatic toxicological effects available for mixture.

12.2 Environmental hazards

Do not contaminate water by discharge of waste effluents or equipment wash water.

13. Disposal considerations

13.1 Handling for disposal

Handle wastes according to recommendations in Section 7.

13.2 Methods for disposal

Do not contaminate water, food or feed by storage or disposal. Dispose of packaging according to state and local authorities. If burned, stay out of smoke. Wastes must be disposed of in accordance with federal, state and local regulations.

14. Transport information

14.1 DOT/IATA/IMDG

Not regulated.

15. Regulatory information

15.1. OSHA

This material was classified according to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

15.2 CERCLA Reportable Quantity (RQ)

None

15.3 SARA Title III

Extremely Hazardous Substance Notification (Sec 302): Not applicable

Hazard Categories (Sec 311/312): Not applicable

Toxic Chemicals Notifications (Sec 313): Not applicable

16. Other information

NFPA:	1	HMIS:	1	0	Least
	0		0	1	Slight
	0		0	2	Moderate
				3	High
				4	Severe

SDS Preparation Date: 09/19/2018
Revision Date: New SDS
Revision Reason: New SDS

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