

1. Identification

- 1.1 **Product identifier** TEP-wOrks 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

Health	Physical	Environmental
Not applicable	Not applicable	Not applicable

2.2 Label elements

- Hazard symbol: None Required.
- Signal word: None Required.
- Hazard statements: None Required.
- Precautionary statements: None Required.

2.3 Other hazards

None known.

3. Composition/information on ingredients

Chemical Name	CAS Number	Weight %
Potassium humates derived from Leonardite	68514-28-3	5 - 10
Sulfate of Potash	7778-80-5	5 - 10
Seaweed extract	Not applicable	1 - 5

4. First aid measures

4.1. Description of first aid measures

- 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. Call a poison control center or doctor for treatment advice.

- Skin contact** If on skin or clothing, take off contaminated clothing.
Rinse skin immediately with water for 15 – 20 minutes.
Call a poison control center or 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.
Call a poison control center or doctor for treatment advice.
- 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.

Notes to Physician: No specific antidote. Contact Poison Control Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.2 Indication of immediate medical attention and special treatment needed

Symptoms may be delayed.

4.3 Most important symptoms and effects, both acute and delayed

May cause temporary eye irritation including eye tearing, redness and discomfort. Inhalation of vapor, mist or spray may cause respiratory irritation. May cause stomach distress, nausea or vomiting.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the substance or mixture

None known.

5.3 Special protective equipment for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

5.4 Special protective actions for firefighters

Cool containers exposed to flames with water until well after the fire is out. Move containers out of fire area if possible to do so without risk. Isolate fire. Do not breathe smoke, gases or vapors generated.

5.5 Hazardous combustion products

May include and are not limited to: oxides of sulfur.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye protection.

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

For large spills, stop flow of material. Dike spilled material if possible. Absorb with vermiculite, dry sand or earth. For small spills, wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Wear suitable protective clothing, gloves and eye protection.

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:

Avoid inhalation of vapors/spray and contact with skin and eyes. Use only with adequate ventilation. Keep tightly closed in the original container.

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapors/spray mist. 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 dry and well ventilated cool place and out of direct sunlight. Avoid humidity, magnesium and aluminum. Keep out of reach of children and keep animals away.

8. Exposure controls and personal protection

8.1. Occupational exposure limits

No data available.

8.2. Appropriate engineering control

No biological exposure limits for the ingredients. Provide adequate general and local exhaust ventilation.

8.3. Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety eyewear.

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

Hand protection: Wear protective gloves to prevent skin exposure.

Respiratory protection: Use an appropriate NIOSH-approved 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. Eyewash facilities should be available.

9. Physical and chemical properties

Appearance

Physical state

Color

Odor

Odor threshold

pH

Liquid

Dark Brown

Odorless

No data available

8.6

Melting point	No data available
Freezing point	No data available
Initial boiling point/range	No data available
Flash point	No data available
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	9.1 lbs/gal
Relative vapor density	No data available
Solubility (water)	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
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

Heat, Extreme temperatures. Contact with incompatible materials.

10.5 Incompatible materials

Avoid humidity, magnesium and aluminum.

10.6 Hazardous decomposition products

May include, but not limited to: oxides of sulfur.

11. Toxicological information

11.1 Target organs

Eye contact, skin contact, inhalation, ingestion.

11.2 Routes of exposure

May be irritating to eyes and skin. Inhalation of vapors/spray mist may cause respiratory irritation. May cause stomach distress, nausea or vomiting.

11.3 Toxicological effects

Oral, LD₅₀ No data available.

Dermal, LD₅₀ No data available.

Inhalation, LC ₅₀	No data available.
Skin irritation:	May cause skin irritation.
Eye irritation:	May cause temporary 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.

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)

Not applicable

15.3 SARA Title III

Extremely Hazardous Substance Notification (Sec 302): Not listed
Hazard Categories (Sec 311/312): None
Toxic Chemicals Notifications (Sec 313): None listed

16. Other information

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

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