

TEP CalPhos

1. Identification

- 1.1 Product identifier TEP CalPhos
- 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 Rd. 30, Madera, CA 93637
- 1.8 Company Phone Number: 559-871-4565
- 1.9 EMERGENCY PHONE NUMBER: 1-800-222-1222 (American Assoc. of Poison Control Centers)

2. Hazard(s) identification

2.1 Classification of the substance or mixture

Health	Physical	Environmental
Skin irritation – Category 3 Eye irritation – Category 2B	Not applicable	Not applicable

2.2 Label elements

Hazard symbol: None required

Signal word: Warning

Hazard statements: Causes mild skin irritation, Causes eye irritation.

Precautionary statements

Prevention: Wash hands and skin thoroughly after handling.

Wear protective gloves.

Avoid breathing dusts.

Use only outdoors or in a well-ventilated area.

Response: If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Call poison control center or doctor if you feel unwell.

2.3 Other hazards

None known.

3. Composition/information on ingredients

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Chemical Name	CAS Number	Weight %
Leonardite	479-66-3	37.5%
Rock Phosphate (Syn. Phosphate Ore)	1306-05-4	37.5%
Calcium Sulfate	10101-41-4	5.0-12.5%
Calcium Carbonate	471-34-1	5.0-12.5

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

None.

4.3 Most important symptoms and effects, both acute and delayed

May cause irritation to skin, eyes or mucous membranes. Care should be taken to avoid inhalation or ingestion. Delayed and acute systems include breathing difficulty and coughing.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Dry chemical, carbon dioxide, water spray or regular foam.

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

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Move container from fire area if safe to do so without risk. Apply cooling water to sides of containers exposed to flames until well after fire is out. Do not move damaged containers; move undamaged containers out of fire zone. Cool containers exposed to flames with water until well after the fire is out. Do not breathe dusts, smoke, gases or vapors generated.

5.5 Hazardous combustion products

Thermal decomposition may release toxic/hazardous gases.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes or skin. Avoid breathing dust or ingesting. 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

Sweep up and place in a designated and labeled container for reclamation or disposal. Do not generate dust. 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 contact with eyes or skin. Avoid breathing dust or ingesting. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Keep tightly closed in the original container.

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Do not breathe dust. 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 high temperatures, exposure to water, humidity and acids. 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

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Minimize airborne concentrations. Provide appropriate exhaust ventilation at places where dust is formed. Use only with adequate 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	Solid
Color	Brown
Odor	Earthy Soil
Odor threshold	Low
pH	No data available
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	No data available
Relative vapor density	77.5 lbs/cu ft
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

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Store wetted material in well ventilated area to eliminate any potential hydrogen accumulation. Reacts with strong alkali and/or oxidizing agents.

10.4 Conditions to avoid

Avoid dusting conditions, contact with incompatible materials. Do not mix with other chemicals. Protect from exposure to water.

10.5 Incompatible materials

Avoid high temperatures, exposure to water, humidity and acids.

10.6 Hazardous decomposition products

Hydrogen in trace quantities, if wetted.

11. Toxicological information**11.1 Target organs**

Eye contact, skin contact, inhalation, ingestion.

11.2 Routes of exposure

May cause irritation to skin, eyes or mucous membranes. Care should be taken to avoid inhalation or ingestion. Delayed and acute systems include breathing difficulty and coughing.

11.3 Toxicological effects

Oral, LD ₅₀	No data available.
Dermal, LD ₅₀	No data available.
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.

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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): Immediate (acute) health hazard.
Toxic Chemicals Notifications (Sec 313): None listed

15.4 CA Proposition 65

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

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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