



## TEAP ENERGY

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## teap material safety data sheet

teap pcm:

**TH 29 PCM**

current revision no.:

**01**

### 1. identification

<b>product name</b>	TEAP TH29
<b>product code</b>	PCM 29
<b>u.n. number</b>	None Allocated
<b>dangerous goods class</b>	None Allocated
<b>hazchem code</b>	None Allocated
<b>pack group</b>	None Allocated
<b>secondary risk</b>	None Allocated
<b>epg</b>	None Allocated
<b>poisons schedule</b>	None Allocated

### 2. physical description / properties

**appearance** White hygroscopic

**Flash point** Test unknown N/A °C

**Flammability Limits** (As % volume in air)  
Lower explosion limit : N/A  
Upper explosion limit: N/A

### 3. health hazard information

#### 3.1 health effects - acute

<b>swallowed</b>	Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration.
<b>eye</b>	May cause moderate to severe irritation with corneal injury, which may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.
<b>skin</b>	Short single exposure is not likely to cause irritation. Prolonged or repeated exposure may cause irritation, even a burn. If skin is damp and/or abraded, or if material is confined to skin then it may cause more severe response. When dissolving, the heat produced may cause more intense effects as well as thermal burns.
<b>inhaled</b>	Vapours are unlikely due to physical properties. Dust may cause irritation to upper respiratory tract.

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#### 3.2 health effects – chronic

The components of this product are not listed by IARC, NTP or PSHA as a carcinogen for hazard communication purposes. Results if in vitro mutagenicity tests have been negative for calcium chloride.  
No data available

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#### 3.3 first aid

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<b>swallowed</b>	Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. (Never give anything by mouth or attempt to induce vomiting in an unconscious person.)
<b>eye</b>	Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.
<b>skin</b>	Wash off in flowing water or shower. If condition persists, seek medical attention.
<b>inhaled</b>	Remove to fresh air if affects occur. Consult a physician.

### 3.4 first aid facilities

Ensure an eye bath and safety shower are always available and ready for use.

### 3.5 Advice to Doctor

If burn is present, treat as thermal burn, after decontamination. Non specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

### 3.6 Toxicity Data

Oral LD50 = 1000 mg/kg (Rat)  
 Dermal LD50 = 1384 mg/kg (Rabbit)  
 Inhalation LC50 = Not available

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## 5. Precautions for use

### 5.1 Exposure standards

TLV: 10mg/m<sup>3</sup> (Dust)

### 5.2 Engineering Control

Ensure adequate ventilation to maintain exposure levels below standards.

### 5.3 Personal Protection

Use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator. Wear protective clothing. Selection of specific items such as gloves, boots, apron or full body suit will depend on operation. Safety glasses should be sufficient for most operations, however for dusty operations or when handling solutions of the material, wear chemical goggles.

### 5.4 Flammability

Material is non-flammable

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## 6. Safe handling information

### 6.1 Storage/Transport

Transport or store material in a cool, dry place below 28 deg c. Transport or store in tightly sealed containers.

### 6.2 Packaging/Labelling

U.N No : N/A      Class : N/A  
Sub Risk : N/A      Hazchem Code

: N/A  
Pack Group : N/A EPG No : N/A  
Shipping Name : Hydrated Salt –  
Calcium Chloride

Hazard : Irritant

Risk Phrases : R36 Irritation to  
eyes

Safety Phrases : S2 Keep out of  
reach of children

S22 Do not  
breathe dust

S24 Avoid  
contact with skin

### 6.3 Spills and disposals

**spills** No special precautions need to  
be taken.

Recover quickly into suitable, dry,  
sealable containers if re-using.  
Small quantities may be flushed  
away with plenty of water.  
Walking surfaces may remain wet  
longer due to moisture being held  
by spilled product – avoid by  
thoroughly washing surface with  
water. Avoid entry of large  
amount of product into sewers,  
natural waters, and drinking water  
sources. Due to possible harmful  
effects, avoid contact with  
vegetation, animals, and fish life.

**Disposal (After treatment  
above)**

Observe all local, state and  
federal regulations before you  
dispose of small quantities to the  
sewer, or add sludge to landfill.

### 6.4 Fire and Explosion Hazard

**Fire/Explosion** Will not burn or explode. It will:  
corrode most metals exposed to  
air, attack aluminium (and its  
alloys) and yellow brass, react  
with sulphuric acid to form

hydrogen chloride which is corrosive, irritating and reactive, give an exothermic reaction with water-reactive materials such as sodium, result in a runaway polymerisation reaction with methyl vinyl ether (Bretherick, 1979), and, in solution form react with zinc (galvanising) to yield hydrogen gas which is explosive. (Bretherick, L., 1979, Handbook of reactive chemicals hazards, 2<sup>nd</sup> ed.).

Hazardous polymerisation will not occur.

When material decomposes it evolves TOXIC fumes of C1-.

When material dissolves it liberates heat.

**Extinguishing media**

Summon fire brigade immediately. Wear positive pressure self-contained breathing apparatus. Remove from vicinity containers NOT involved in fire. Use equipment/media appropriate to surrounding conditions. Water may be effective for cooling containers.

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**7. Other Information**

No data available

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