

**Section 1: Identification**

**Product Name** Codeine Phosphate  
**Commercial Name** Not available.  
**Product Use** Medication: Analgesic agent.  
**Restrictions On Use** Not available.

**Product Code** 20-1013

**Company** PCCA  
 9901 South Wilcrest  
 Houston, TX 77099  
 Phone: 1-800-331-2498  
 Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

**Section 2: Hazard(s) Identification**

**OSHA Haz Com:** Acute toxicity, oral Category 4 Acute toxicity, inhalation Category 4 Sensitization, respiratory Category 1  
**CFR 1910.1200** Sensitization, skin Category 1 Reproductive toxicity Effects on or via lactation Specific target organ toxicity, single exposure Category 3 narcotic effects Environmental hazards Not classified. OSHA defined hazards Not classified.

**Signal Word** DANGER

**Hazard Statement(s)** May form combustible dust concentrations in air. Toxic if swallowed. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause harm to breast-fed children. May cause drowsiness or dizziness.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Avoid contact during pregnancy/while nursing. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

**Response**

Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If experiencing respiratory symptoms: Call a poison center/doctor. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** Codeine Phosphate  
**% By Weight** 100  
**CAS#** 41444-62-6  
**Molecular Weight** 406.37 g/mole  
**Chemical Formula** C<sub>18</sub>H<sub>21</sub>NO<sub>3</sub>.H<sub>3</sub>PO<sub>4</sub>.1/2H<sub>2</sub>O  
**Synonym(s)** Morphinan



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

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Mixtures Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Codeine phosphate	41444-62-6	100	Not available.	ORAL (LD50):Acute: 85 mg/kg[Rat]. 237mg/kg [Mouse].654 mg/kg[Guinea pig].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If dust from the material is inhaled, remove the affected person immediately to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
<b>Skin Contact</b>	Rinse skin with water/shower. Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or poison control center immediately.
<b>Ingestion</b>	If swallowed: Call a poison center/doctor if you feel unwell. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Symptoms/Effects</b>	
<b>Acute</b>	May have a strong narcotic effect (pupil constriction) and the eye may serve as an absorption route into the body. Narcotic effect. Exposure may cause sedation, pinpoint pupils, mood alterations, nausea, vomiting, constipation, respiratory depression; also tolerance, dependence and withdrawal. May cause allergic skin reaction. May cause allergic respiratory reaction.
<b>Delayed</b>	May have a strong narcotic effect (pupil constriction) and the eye may serve as an absorption route into the body. Narcotic effect. Exposure may cause sedation, pinpoint pupils, mood alterations, nausea, vomiting, constipation, respiratory depression; also tolerance, dependence and withdrawal. May cause allergic skin reaction. May cause allergic respiratory reaction.

**Immediate Medical Attention**

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed. Call a poison center/doctor if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Water. Dry chemical powder. Alcohol foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

The product is not flammable. Dust may form explosive mixture with air. Dust may form explosive mixture with air. During fire, gases hazardous to health may be formed such as: Carbon oxides.

**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. In case of fire and/or explosion do not breathe fumes. Cool containers exposed to flames with water until well after the fire is out. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do it without risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Cool containers exposed to flames with water until well after the fire is out. Follow handling guidance appropriate for OEB-2 potent compounds, (see section 7).

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Avoid contact with spilled material. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Follow handling guidance appropriate for OEB-2 potent compounds, (see Section 7). Methods and materials for containment and cleaning up: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas. Do not flush to sewer. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. Use only non-sparking tools. Clean surface thoroughly to remove residual contamination. All clean-up operations should be witnessed by more than one individual. The amount of material collected should be assessed and documented. For waste disposal, see section 13 of the SDS Environmental precautions: Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## Section 7: Handling and Storage

Handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not use in areas without adequate ventilation. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Use personal protective equipment as required. Avoid contact during pregnancy/while nursing. Avoid contact with skin and eyes. Do not ingest. Wash hands thoroughly after handling. Avoid release to the environment. Handle and open container with care. Storage: Store locked up. Keep container tightly closed. For storage condition, see finished product label. Store in a well-ventilated place. Guard against dust accumulation of this material. Keep away from heat and sources of ignition. Use care in handling/storage. Store in accordance with local/regional/national/international regulation. Further Information: CONTROLLED SUBSTANCE: Location of storage area must comply with all Drug Enforcement Administration or competent authority regulations. Codeine Phosphate has potent pharmacological activity and is classified as an OEB-2\* material. Handling practices for OEB-2 substances are described below. LABORATORY: 'Wear appropriate gloves, lab coat, and safety glasses. Use good lab practices. 'No local exhaust ventilation required for transfer/handling of quantities of powder less than 100 g (total weight transferred or handled). However, if the source container contains 2 kg or more, pilot plant practices apply. 'No local exhaust ventilation required for solutions of these compounds. 'Quantities of solid above 100 g require use of a powders weighing hood or other approved containment/ventilation system. 'High-energy operations such as milling, particle-sizing, spraying or fluidizing should be done within an approved emission control or containment system. 'Develop cleaning procedures and techniques that limit potential exposure.

## Section 8: Exposure Controls/Personal Protection

<b>Exposure Limits</b>	OEB 2 OEB OEG 120pg/m3 8-hour Time-Weighted Average STEG 360 pg/m3 15-minute Average No biological exposure limits noted for the ingredient(s).
<b>Engineering Controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Ensure adequate ventilation, especially in confined areas.
<b>Personal Protection</b>	Eye/face protection: Chemical goggles are recommended. Provide eyewash station and safety shower. Skin protection Hand protection: Wear protective gloves. Other: Wear appropriate gloves; lab coat, nylon coveralls or disposable Tyvek suit; safety glasses, safety shoes, and disposable booties. Respiratory protection: Where open handling of powders occurs, use a powered, air-purifying respirator (PAPR) with HEPA cartridges or a supplied-air respirator (SAR), unless air-monitoring data has shown that a lower level of respiratory protection is adequate. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: When using, do not eat, drink or smoke. Do not breathe dust. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. See Section 7 for additional information on occupational control measures appropriate for OEB-2 potent compounds.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White solid. (Crystalline.)		
<b>Odor</b>	Odorless.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	428 - 455 °F (220 - 235 °C)	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not applicable.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Soluble in water.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Not available.
<b>Incompatible Materials</b>	Peroxides. Phenols
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known

**Section 11: Toxicological Information****RTECS** QD1310000**Acute Toxicity**

Harmful if inhaled. Harmful if swallowed. Oral LD50 Rat 427 mg/kg

**Skin Corrosion/Irritation**

Due to lack of data the classification is not possible.

**Serious Eye Damage/Irritation**

Due to lack of data the classification is not possible.

**Respiratory or Skin Sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

**Germ Cell Mutagenicity**

Due to lack of data the classification is not possible.

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity**

May cause harm to breastfed babies.

**Routes of Entry**



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Inhalation: Harmful if inhaled. Narcotic effect. May cause typical symptoms of narcosis (see Ingestion.) Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin contact: May produce narcotic effects if absorbed through skin. May cause skin irritation. May cause an allergic skin reaction. Eye contact: Dust or powder may irritate eye tissue. May have a strong narcotic effect (pupil constriction) and the eye may serve as an absorption route into the body Ingestion: Harmful if swallowed. Narcotic effect. Exposure may cause sedation, pinpoint pupils, mood alterations, nausea, vomiting, constipation, respiratory depression; also tolerance, dependence and withdrawal. Dizziness. May cause central nervous system depression. Large doses can lead to respiratory or cardiac arrest and death.

### Symptoms Related to Exposure

Narcotic. Exposure may cause sedation, pinpoint pupils, mood alterations, nausea, vomiting, constipation, respiratory depression; also tolerance, dependence and withdrawal. May cause allergic respiratory and skin reactions.

### Potential Health Effects

Narcotic effects. Chronic exposure may lead to tolerance, dependence, and unpleasant withdrawal symptoms upon abrupt discontinuation of use (e.g., sweating, restlessness, irritability, hallucinations).

**Target Organ(s)** Not available.

## Section 12: Ecological Information

### Ecotoxicity

This product has no known eco-toxicological effects.

### Persistence and Degradability

Not available.

### Bioaccumulative Potential

Not available.

### Mobility in Soil

Not available.

### Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

## Section 13: Disposal Considerations

### Waste Disposal

Notify site Drug Enforcement Agency compliance officer and local DEA office for appropriate disposal procedures. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Follow handling guidance appropriate for OEB-2 potent compounds, (see Section 7). Dispose of contents/container (in accordance with related regulations). Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Disposal of Container

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### Other Considerations

Not available.

## Section 14: Transport Information

### DOT Classification

DOT Not regulated as dangerous goods.

## Section 15: Regulatory Information

### Regulations



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US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA exempt status. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. CERCLA (Superfund) reportable quantity None Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous Yes chemical Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA) Drug Enforcement Schedule II - 9050 Administration (DEA) (21 CFR 1308.11-15) US state regulations US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. Massachusetts RTK - Substance List Not regulated. US. New Jersey Worker and Community Right-to-Know Act Not listed. US. Pennsylvania Worker and Community Right-to-Know Law Not listed. US. Rhode Island RTK Not regulated.

### Other

Not available.

### Section 16: Other Information

PCCA provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. PCCA MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION. Revision Information Product and Company Identification: Product and Company Identification Exposure controls/personal protection: Thermal hazards Stability and reactivity: Reactivity Toxicological Information: Toxicological Data Toxicological information: Symptoms related to the physical, chemical and toxicological characteristics Other information, including date of preparation or last revision: Further information GHS: Classification