



# Safety Data Sheet

## Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product Identification

### Cola<sup>®</sup>Fax CPE-K

CAS Number	19035-79-1
EINECS	242-768-1
REACH Registration Number	Not Available
Molecular Formula	C <sub>16</sub> H <sub>34</sub> O <sub>4</sub> P·K
Molecular Weight	360.40 g/mol
Product Description	White to off-white powder
Synonyms	Potassium Cetyl Phosphate

### 1.2 Product Identification

Identified Uses	anionic oil/water emulsifier and stabilizer for the preparation of skin-care and sun-care products
Uses Advised Against	None known

### 1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer	Colonial Chemical, Inc. PO Box 111 South Pittsburg, TN 37380 United States <a href="http://www.colonialchem.com">www.colonialchem.com</a>
Telephone (Technical)	423-837-8800
Responsible Party – EU	Comercial Quimica Masso S.A. C/Viladomat 321, 5 <sup>th</sup> Floor 08029 Barcelona, Spain Telephone: 00 34 93.495.25.00

### 1.4 Emergency Telephone Number

<b><u>Emergency</u></b>	800-424-9300 – Chemtrec
<b><u>Emergency</u></b>	703-527-3887 – Chemtrec – International Collect Calls



## Canada

### According to Canada WHMIS

#### 2.1 Classification of the Substance or Mixture

WHMIS Not classified

#### 2.2 Label Elements

WHMIS None

#### 2.3 Other Hazards

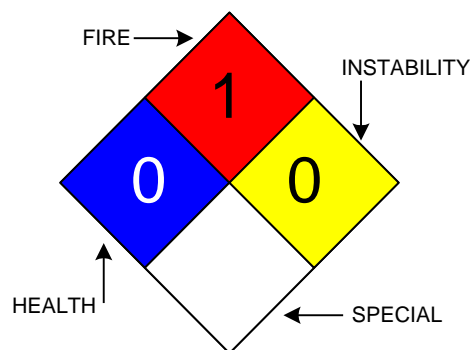
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through the skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

#### 2.3 Other Hazard Rating Systems



NFPA

### Section 3 – Composition/Information on Ingredients

#### 3.1 Substances

Chemical Name	Identifiers	% (wt)	LD <sub>50</sub>	Classifications According to Regulation/Directive	Comments
Potassium Cetyl Phosphate	<b>CAS:</b> 19035-79-1; <b>EINECS:</b> 242-768-1	100%	LD <sub>50</sub> >5000 mg/kg (oral, rat)	DSD/DPD: Not classified EU CLP: Not classified UN GHS: Not classified	None

#### 3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

**Section 4 – First Aid Measures**

**4.1 Description of First Aid Measures**

Inhalation	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
Skin	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye	IF IN EYES: Flush eyes with water as a precaution.
Ingestion	Do not give anything by mouth to an unconscious person. Drink (one glass) (two glasses) of water. Call a physician (or poison control center).

**4.2 Indication of Any Immediate Medical Attention and Special Treatment Needed**

Notes to Physician                      Not Available

**4.3 Other Information**

Not available

**Section 5 – Fire Fighting Measures**

**5.1 Extinguishing Media**

Suitable Extinguishing Media	LARGE FIRES: Water spray, fog, or regular foam. SMALL FIRES: Dry chemical, CO <sub>2</sub> , water spray, or regular foam.
Unsuitable Extinguishing Media	None known
Firefighting Procedures	Do not direct a solid stream of water or foam into, hot burning pools; this may cause frothing and increase fire intensity.

**5.2 Special Hazards Arising from the Substance or Mixture**

Unusual Fire and Explosion	None known
Hazards	
Hazardous Decomposition Products	Carbon oxides, oxides of phosphorous, potassium oxide

**5.3 Advice for Firefighters**

Wear positive pressure self-contained breathing apparatus (SCBS). Structural firefighters' protective clothing will only provide limited protection.

**Section 6 – Accidental Release Measures**

**6.1 Personal Precautions, Protective Equipment, and Emergency Procedures**

Personal Precautions:	Avoid dust formation. Avoid breathing vapors, mist, or gas.
Emergency Procedures:	Keep unauthorized personnel away.

**6.2 Environmental Precautions**

Do not let product enter drains.

### 6.3 Methods and Material for Containment and Cleaning Up

Containment/Clean-up Measures: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Prohibited Materials: None known

### 6.4 Reference to Other Sections

None

## Section 7 – Handling and Storage

### 7.1 Environmental Precautions

Handling: Use good safety and industrial hygiene practices.

### 7.2 Conditions for Safe Storage, Including and Incompatibilities

Storage: Keep container closed when not in use. Store in a cool, dry place.

Special Packaging Materials: None known

### 7.3 Specific End Use (s)

None

## Section 8 – Exposure Controls/Personal Protection

### 8.1 Control Parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure Controls

Engineering Measures/Controls: Ventilation not required under normal use. Misting operations may require adequate ventilation.

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/Face: Wear safety goggles.

Hands: Wear appropriate gloves.

Skin/Body: Wear protective clothing.

General Industrial Hygiene

Considerations: Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice. Eyewash and safety showers should be available in the work area.

## Section 9 – Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Physical Form: Liquid

Appearance/Description: Clear, yellow viscous liquid.

<b>Color:</b> white to off-white		<b>Odor:</b> slight, fatty	
<b>Taste:</b> Not measurable/relevant		<b>Odor Threshold:</b> Not measurable/relevant	
<b>Boiling Point</b>	No data	<b>Vapor Pressure</b>	Not measurable/relevant
<b>Melting Point</b>	161 - 166°C	<b>Vapor Density</b>	Not measurable/relevant

<b>Specific Gravity</b>	0.53063	<b>Evaporation Rate</b>	Not measurable/relevant
<b>Density</b>	Not measurable/relevant	<b>VOC (Wt)</b>	Not measurable/relevant
<b>Bulk Density</b>	Not measurable/relevant	<b>VOC (Vol)</b>	Not measurable/relevant
<b>pH (1% solution)</b>	6.5 - 8	<b>Volatiles (Wt.)</b>	0
<b>Water solubility</b>	~160 mg/l, water (20°C)	<b>Volatiles (Vol.)</b>	0
<b>Solvent Solubility</b>	Not measurable/relevant	<b>Flash Point</b>	>110°C (PMCC)
<b>Viscosity</b>	Not measurable/relevant	<b>Flash Point Test Type</b>	PMCC (Pensky-Martins Closed Cup)
<b>Half-Life</b>	Not measurable/relevant	<b>UEL</b>	Not measurable/relevant
<b>Octanol/Water Partition Coefficient</b>	Not measurable/relevant	<b>LEL</b>	Not measurable/relevant
<b>Coefficient of water/oil distribution</b>	Not measurable/relevant	<b>Autoignition</b>	Not measurable/relevant
<b>Bioaccumulation factor</b>	Not measurable/relevant	<b>Bioaccumulation Factor</b>	Not measurable/relevant
<b>Biochemical Oxygen Deman BOD/BOD5</b>	Not measurable/relevant	<b>Chemical Oxygen Demand</b>	Not measurable/relevant
<b>Persistence</b>	Not measurable/relevant	<b>Degradation</b>	Inherent

## 9.2 Other Information

None

## Section 10 – Stability and Reactivity

### 10.1 Reactivity

Not relevant / none

### 10.2 Chemical Stability

Stable under normal temperatures and pressures.

### 10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4 Condition (s) to Avoid

Heat, light, humidity

### 10.5 Incompatible Materials

Metal salts, alkali and alkaline earth metals.  
Hard, calcium-containing water; use only distilled or deionised water.

### 10.6 Hazardous Decomposition Products

Phosphoric acid

## Section 11 – Toxicological Information

### 11.1 Information on Toxicological Effects

Acute toxicity:           -LD50 >5000 mg/kg (oral, rat)  
                                  -LD50 >2000 mg/kg (dermal, rat)

Local effects: -skin: non-irritant (rabbit)  
 -skin: not phototoxic (guinea pig)  
 -skin: non-irritant (man); 6% solution  
 -easily resorbed through the skin (various species)  
 -eye: moderately irritating (rabbit; OECD No. 405)

Sensitization: -not photoallergenic (guinea pig); 10% solution  
 -non-sensitizing

Subchronic toxicity: -NOAEL >900 mg/kg/d (oral, rat; 42 d)  
 -NOAEL 800 mg/kg/d (oral, rat; 13 weeks)

Mutagenicity: -not mutagenic (bacterial *in vitro* test system)

GHS Properties	Classification
Acute toxicity - oral	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
Acute toxicity - dermal	EU/CLP: Data lacking UN GHS: Data lacking
Acute toxicity - inhalation	EU/CLP: Data lacking UN GHS: Data lacking
Skin corrosion/Irritation	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
Serious eye damage/Irritation	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
Skin sensitization	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
Respiratory sensitization	EU/CLP: Data lacking UN GHS: Data lacking
Aspiration Hazard	EU/CLP: Data lacking UN GHS: Data lacking
Carcinogenicity	EU/CLP: Data lacking UN GHS: Data lacking
Germ cell mutagenicity	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
Toxicity for reproduction/fertility	EU/CLP: Data lacking UN GHS: Data lacking
Toxicity for reproduction/developmental	EU/CLP: Data lacking UN GHS: Data lacking
Effects on lactation	EU/CLP: Data lacking UN GHS: Data lacking
STOT-SE	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met
STOT-RE	EU/CLP: Classification criteria not met UN GHS: Classification criteria not met

Rout of Entry	Skin, eye
Medical Conditions Aggravated by Exposure	Not Available
Potential Health Effects	
Inhalation	
Acute (Immediate)	Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	No data available.
Skin	
Acute (Immediate)	Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	No data available.
Eye	
Acute (Immediate)	Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	No data available.
Ingestion	
Acute (Immediate)	Under normal conditions of use, no health effects are expected. If small amounts are ingested (by transfer from fingers to mouth) no health effects are expected.
Chronic (Delayed)	No data available.

<b>Section 12 – Ecological Information</b>
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### 12.1 Toxicity

-Water soluble portion barely toxic for fish (rainbow trout)  
 LC<sub>0</sub> 500 mg/l (nominal concentration)  
 (OECD No. 203)  
 -Barely inhibitory on aerobic bacterial respiration (activated sludge)  
 NOEL ≥100 mg/l (nominal concentration)  
 (Manometric Respirometry Test, OECD No. 301 F)

### 12.2 Persistence and Degradability

Ready biodegradability:	Not readily biodegradable 12%, 28 d (Manometric Respirometry Test, OECD No. 301 F)
Inherent biodegradability:	Well inherently biodegradable 86%, 28 d (MITI Test II, OECD No. 302 C)

### 12.3 Bioaccumulation Potential

No data found for product.

### 12.4 Mobility in Soil

No data found for product.

### 12.5 Results of PBT and vPvB Assessment

No data found for product.

**12.6 Other adverse Effects**

Ecological Fate No data found for product.

**Section 13 – Disposal Considerations**

**13.1 Waste Treatment Methods**

Product Waste Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.  
 Packaging Waste No data available

**Section 14 – Transportation Information**

According to:  
 US DOT; Canada TDG; IMO/IMDG; AND; ADR/RID; IATA/ICAO

- 14.1 UN Number:** Not regulated
- 14.2 UN Proper Shipping Name:** Not regulated
- 14.3 Transport Hazard Class(es):** Not regulated
- 14.4 Packing Group:** Not regulated
- 14.5 Environmental Hazards:** None
- 14.6 Special Precautions for User:** None
- 14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not regulated
- 14.8 Other information:** None

Key to Abbreviations:

- DOT = United States – Department of Transportation
- TDG = Canada – Transport of Dangerous Goods
- IMO/IMDG = International Maritime Transport
- ADN = Europe Transport of Dangerous Goods by Road/Inland Waterway
- IATA = International Air Transport Association
- ICAO = International Civil Aviation Organization
- ADR = Europe Transport of Dangerous Goods by Road/Inland Waterway
- RID = Europe Transport of Dangerous Goods by Railways

**Section 15– Regulatory Information**

**15.1 Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture**

SARA Hazard Classifications None

State Right To Know				
Component	CAS	MA	NJ	PA
Potassium Cetyl Phosphate	19035-79-1	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Potassium Cetyl Phosphate	19035-79-1	No	Yes	Yes	Yes	No
Inventory (Continued)						
Component	CAS	Japan ENCS	Korea ECL	TSCA		
Potassium Cetyl Phosphate	19035-79-1	Yes	No	Yes		

**Canada**

Labor Canada - WHMIS - Ingredient Disclosure List			
• Potassium Cetyl Phosphate	19035-79-1	100%	Not Listed

Environment Canada - CEPA - Priority Substance List			
• Potassium Cetyl Phosphate	19035-79-1	100%	Not Listed

**Germany**

Water Hazard Class			
• Potassium Cetyl Phosphate	19035-79-1	100%	1

**Europe**

Other			
EU - CLP (1272/2008 - Annex VI - Table 3.2 - Classification			
• Potassium Cetyl Phosphate	19035-79-1	100%	Not Listed
EU - CLP (1272/2008 - Annex VI - Table 3.2 - Concentration Limits			
• Potassium Cetyl Phosphate	19035-79-1	100%	Not Listed
EU - CLP (1272/2008 - Annex VI - Table 3.2 - Labeling			
• Potassium Cetyl Phosphate	19035-79-1	100%	Not Listed

EU - CLP (1272/2008 - Annex VI - Table 3.2 -	Notes - Substances and Preparations	19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
EU - CLP (1272/2008 - Annex VI - Table 3.2 -	Safety Phrases	19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed

**United States**

Labor				
U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed

Environment				
U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Hazardous Substances and Their Reportable Quantities		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		19035-79-		
• Potassium Cetyl Phosphate		1	100%	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing				

<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>	19035-79-1	100%	Not Listed
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**United States - California**

Environment			
U.S. - California - Proposition 65 -	Carcinogens List	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed
U.S. - California - Proposition 65 -	Developmental Toxicity	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed
U.S. - California - Proposition 65 -	Reproductive Toxicity - Female	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed
U.S. - California - Proposition 65 -	Reproductive Toxicity - Male	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed

**United States - Massachusetts**

**United States - New Jersey**

**United States - Pennsylvania**

Labor			
U.S. - Pennsylvania - RTK (Right to Know) -	Environmental Hazard List	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed
U.S. - Pennsylvania - RTK (Right to Know) -	Special Hazardous Substances	19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed

**United States - Rhode Island**

Labor			
U.S. - Rhode Island - Hazardous Substance List		19035-79-1	Not Listed
<ul style="list-style-type: none"> <li>Potassium Cetyl Phosphate</li> </ul>		100%	Listed

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out.

**Section 16– Other Information**

Phrases	Refer to Section 2
Last Revision Date	10/18/2011
Preparation Date	10/18/2011
Disclaimer/Statement of Liability	The above data is for information purposes and it accurate to the best of Colonial Chemical, Inc.'s knowledge. No guarantees or liabilities are expressed or implied. Colonial Chemical, Inc. assigned NFPA ratings to the product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, they must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS. The information is intended solely for the use of individuals trained in the particular hazard rating system.

## Key to Abbreviations

CAS = Chemical Abstract Services

EINECS = European Inventory of Existing Chemical Substances

LD = Lethal Dose

LC = Lethal Concentration

DSD = Dangerous Substances Directive (EU Directive 67/54/EEC)

DPD = Dangerous Preparations Directive (EU Directive 1999/45/EC)

EU CLP = EU Directive 1272/2008

UN GHS = United Nations Globally Harmonized System of Classification and Labeling of Chemicals.