

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

## 1 Identification

- **Product identifier**
- **Trade name:** M-CHLM-PCA FP 0.16% Coing 2012C NA
- **Article number:** 96629489
- **Application of the substance / the mixture** Hair styling product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Coty Cosmetics, Inc.  
4500 Park Granada  
Calabasas, CA 91302  
USA
- **Information department:** Coty SDS Info Team
- **Emergency telephone number:**  
CHEMTREC Emergency number: +1-703-527-3887  
CHEMTREC US/NA Emergency number(toll free): 800-424-9300

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard statements**  
Extremely flammable aerosol.
- **Precautionary statements**  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 4  
Reactivity = 3

- **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0  
FIRE 4 Fire = 4  
REACTIVITY 3 Reactivity = 3

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

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(Contd. of page 1)

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

75-28-5	isobutane	3.42%
74-98-6	propane	2.58%

## 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

75-28-5	isobutane	5500* ppm
74-98-6	propane	5500* ppm
25086-89-9	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	1.9 mg/m <sup>3</sup>
9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer	51 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	1.5 ppm
139-33-3	disodium dihydrogenethylenediaminetetraacetate	11 mg/m <sup>3</sup>
9002-92-0	Ethoxylated lauryl alcohol	2.9 mg/m <sup>3</sup>
112-02-7	cetrimonium chloride	1.1 mg/m <sup>3</sup>
7722-84-1	hydrogen peroxide solution	10 ppm

- **PAC-2:**

75-28-5	isobutane	17000** ppm
74-98-6	propane	17000** ppm

(Contd. on page 3)

# Safety Data Sheet

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**Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA**

(Contd. of page 2)

25086-89-9	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	21 mg/m <sup>3</sup>
9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer	560 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	16 ppm
139-33-3	disodium dihydrogenethylenediaminetetraacetate	120 mg/m <sup>3</sup>
9002-92-0	Ethoxylated lauryl alcohol	31 mg/m <sup>3</sup>
112-02-7	cetrimonium chloride	12 mg/m <sup>3</sup>
7722-84-1	hydrogen peroxide solution	50 ppm

**· PAC-3:**

75-28-5	isobutane	53000*** ppm
74-98-6	propane	33000*** ppm
25086-89-9	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	120 mg/m <sup>3</sup>
9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer	20,000 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	97 ppm
139-33-3	disodium dihydrogenethylenediaminetetraacetate	730 mg/m <sup>3</sup>
9002-92-0	Ethoxylated lauryl alcohol	200 mg/m <sup>3</sup>
112-02-7	cetrimonium chloride	70 mg/m <sup>3</sup>
7722-84-1	hydrogen peroxide solution	100 ppm

## 7 Handling and storage

**· Handling:**

· **Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Storage class:** 2 B

· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**75-28-5 isobutane**

TLV Short-term value: 2370 mg/m<sup>3</sup>, 1000 ppm  
(EX)

**74-98-6 propane**

PEL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

REL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

TLV refer to Appendix F in TLVs&BEIs book; D, EX

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

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(Contd. of page 3)

- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** *Wash hands before breaks and at the end of work.*
- **Breathing equipment:** *Use suitable respiratory protective device in case of insufficient ventilation.*
- **Protection of hands:**  
*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Material of gloves**  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Not required.*

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Aerosol
Color:	According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 3.7
- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	-24 °C (-11.2 °F)
- **Flash point:** -42 °C (-43.6 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**

Water:	Not miscible or difficult to mix.
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(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA

(Contd. of page 4)

- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 3.1 %
  - Water:** 89.1 %
  - VOC content:** 6.47 %
  - 64.7 g/l / 0.54 lb/gal
- **Solids content:** 4.2 %
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer	3
7722-84-1	hydrogen peroxide solution	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 08/08/2018

**Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA**



(Contd. of page 5)

- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |   |                     |
|---|---------------------|
| · <b>UN-Number</b>  |                     |
| · <b>DOT, IMDG, IATA</b>  | UN1950              |
|   |                     |
| · <b>UN proper shipping name</b>  |                     |
| · <b>DOT</b>  | Aerosols, flammable |
| · <b>IMDG</b>   | AEROSOLS            |
| · <b>IATA</b>   | AEROSOLS, flammable |
|   |                     |
| · <b>Transport hazard class(es)</b>   |                     |
| · <b>DOT</b>  |                     |
|  |                     |
| · <b>Class</b>  | 2.1                 |
| · <b>Label</b>  | 2.1                 |
| -----   |                     |
| · <b>IMDG, IATA</b>   |                     |
|  |                     |
| · <b>Class</b>  | 2.1                 |
| · <b>Label</b>  | 2.1                 |
|   |                     |
| · <b>Packing group</b>  |                     |
| · <b>DOT, IMDG, IATA</b>  | not regulated       |
|   |                     |
| · <b>Environmental hazards:</b>   | Not applicable.     |
|   |                     |
| · <b>Special precautions for user</b>   | Warning: Gases      |
| · <b>Danger code (Kemler):</b>  | -                   |
| · <b>EMS Number:</b>  | F-D,S-U             |

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 08/08/2018

Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA

(Contd. of page 6)

· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

7722-84-1	hydrogen peroxide solution
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· **Section 313 (Specific toxic chemical listings):**

122-99-6	2-Phenoxyethanol
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· **TSCA (Toxic Substances Control Act):**

75-28-5	isobutane
74-98-6	propane
25086-89-9	Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone
9003-39-8	2-Pyrrolidinone, 1-ethenyl-, homopolymer
9012-76-4	chitosan
98-79-3	pidolic acid
122-99-6	2-Phenoxyethanol
16485-10-2	Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-
61788-85-0	Castor oil, hydrogenated, ethoxylated
139-33-3	disodium dihydrogenethylenediaminetetraacetate
9002-92-0	Ethoxylated lauryl alcohol
99-76-3	methyl 4-hydroxybenzoate
112-02-7	cetrimonium chloride
7722-84-1	hydrogen peroxide solution
7732-18-5	water, distilled, conductivity or of similar purity

(Contd. on page 8)

# Safety Data Sheet

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Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA

(Contd. of page 7)

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

7722-84-1 | hydrogen peroxide solution

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS02

· **Signal word** Danger· **Hazard statements**

Extremely flammable aerosol.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Abteilung Umweltschutz· **Contact:** Hr. Dr. Speckbacher· **Date of preparation / last revision** 08/08/2018 / -· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 9)



**Safety Data Sheet**  
*acc. to OSHA HCS*

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**Trade name: M-CHLM-PCA FP 0.16% Coing 2012C NA**

(Contd. of page 8)

*vPvB: very Persistent and very Bioaccumulative*  
*NIOSH: National Institute for Occupational Safety*  
*OSHA: Occupational Safety & Health*  
*TLV: Threshold Limit Value*  
*PEL: Permissible Exposure Limit*  
*REL: Recommended Exposure Limit*  
*Flam. Aerosol 1: Aerosols – Category 1*

US