SAFETY DATA SHEET
Cola®Lipid C

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name
Cola®Lipid C

Product number
3802

INCI Name
Cocamidopropyl PG-Dimonium Chloride Phosphate

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Surfactant

Uses advised against
No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturer
Colonial Chemical, Inc.
225 Colonial Drive
South Pittsburg, TN 37380
U.S.A.
+1 (423) 837-8800

1.4. Emergency telephone number

Emergency telephone
Toll free (in USA, Canada, Puerto Rico, Virgin Islands only): 1-800-424-9300
Direct dial: +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards
Not Classified

Health hazards
Eye Irrit. 2 - H319

Environmental hazards
Aquatic Acute 1 - H400

2.2. Label elements

Hazard pictograms

Signal word
Warning

Hazard statements
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
Cola®Lipid C

Precautionary statements
P264 Wash contaminated skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>1-Propanaminium, 3,3′,3″-[phosphinylidynetris(oxy)]tris[N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-, N,N′,N″-tri-C6-18 acyl derivs. trichlorides</th>
<th>30-60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 83682-78-4</td>
<td>EC number: 280-518-3</td>
</tr>
<tr>
<td>REACH registration number: 01-2120763938-35-XXXX</td>
<td></td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**
Eye Irrit. 2 - H319
Aquatic Acute 1 - H400

<table>
<thead>
<tr>
<th>Glycerin</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 56-81-5</td>
<td>EC number: 200-289-5</td>
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</tbody>
</table>

**Classification**
Not Classified

<table>
<thead>
<tr>
<th>3-aminopropyl(dimethylamine</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 109-55-7</td>
<td>EC number: 203-680-9</td>
</tr>
</tbody>
</table>

**Classification**
Flam. Liq. 3 - H226
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
STOT SE 3 - H335
Cola®Lipid C

Amines, coco alkyl(dimethyl) 
CAS number: 61788-93-0  
EC number: 263-020-0  
M factor (Acute) = 1

Classification
Acute Tox. 4 - H302  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion
Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin contact
Rinse with water.

Eye contact
Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known.

Skin contact
No specific symptoms known.

Eye contact
Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Containers can burst violently or explode when heated, due to excessive pressure build-up.
Cola®Lipid C

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Cola®Lipid C

**Storage precautions**
Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class**
Miscellaneous hazardous material storage.

**7.3. Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

**SECTION 8: Exposure controls/Personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Glycerin**
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist
WEL = Workplace Exposure Limit.

**8.2. Exposure controls**

**Protective equipment**

- **Appropriate engineering controls**
  Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

- **Eye/face protection**
  Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

- **Hand protection**
  No specific hand protection recommended. Avoid contact with skin.

- **Other skin and body protection**
  Wear appropriate clothing to prevent repeated or prolonged skin contact.

- **Hygiene measures**
  Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

- **Respiratory protection**
  Ensure all respiratory protective equipment is suitable for its intended use and is ‘CE’-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

- **Environmental exposure controls**
  Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

- **Appearance**
  Liquid.

- **Colour**
  Amber.

- **Odour**
  Characteristic.

- **Odour threshold**
  Not available.
Cola®Lipid C

pH (10% aqueous) 6.5 - 7.5
Melting point Not available.
Initial boiling point and range > 93°C/199.4°F
Flash point > 94°C/201.2°F Pensky-Martens closed cup.
Evaporation rate Not available.
Flammability (solid, gas) Not flammable.
Upper/lower flammability or explosive limits Not available.
Vapour pressure Not available.
Vapour density Not available.
Relative density 1.03 g/mL @ 25°C
Solubility(ies) Dispersible in water.
Partition coefficient Not available.
Auto-ignition temperature Not available.
Decomposition Temperature Not available.
Viscosity Not available.
Explosive properties Not considered to be explosive.
Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information
Other information None.
Surface Tension Not available.
% Solids 45 - 48

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity See the other subsections of this section for further details.

10.2. Chemical stability
Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid
Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials
Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products
Cola®Lipid C

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Based on available data the classification criteria are not met.

Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

IARC carcinogenicity
None of the ingredients are listed or exempt.

Reproductive toxicity
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Based on available data the classification criteria are not met.

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known.

Skin contact
No specific symptoms known.
Cola®Lipid C

Eye contact  Irritating to eyes.
Route of exposure  Ingestion Inhalation Skin and/or eye contact
Target organs  No specific target organs known.

SECTION 12: Ecological information

12.1. Toxicity
Toxicity  Aquatic Acute 1 - H400 Very toxic to aquatic life.

Acute aquatic toxicity
Acute toxicity - aquatic invertebrates  NOEC, 48 hours: 2.5 mg/l, Daphnia magna
EC₅₀, 48 hours: 3.077 mg/l, Daphnia magna

Acute toxicity - aquatic plants  NOEC, 72 hours: 0.125 mg/l, Pseudokirchneriella subcapitata
EC₅₀, 72 hours: 0.19 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms  NOEC, 28 days: 500 mg/l, Activated sludge
EC₅₀, 28 days: 495.48 mg/l, Activated sludge

12.2. Persistence and degradability
Persistence and degradability  The degradability of the product is not known.
Biodegradation  The product is readily biodegradable.
This product meets the criteria for a surfactant under the EU Detergents Regulation (EC) 648/2004.

12.3. Bioaccumulative potential
Bioaccumulative potential  No data available on bioaccumulation.
Partition coefficient  Not available.

12.4. Mobility In soil
Mobility  No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
Other adverse effects  None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information  The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods  Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

General  This product may be consigned under the Limited Quantity or Excepted Quantity provisions.
Cola®Lipid C

Sea transport notes
Class 9: Limited quantity packaging is maximum 5 L or 5 kg. Excepted quantity package is maximum 30 ml or 30 g (inner) and 1000 g total.

Air transport notes
Class 9: Limited quantity packaging is maximum 5 L or 5 kg (inner) and 30 kg gross. Excepted quantity package is maximum 30 ml or 30 g (inner) and 1 kg gross. These limits apply to both passenger and cargo aircraft.

14.1. UN number
UN No. (ADR/RID) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082
UN No. (ADN) 3082

14.2. UN proper shipping name
Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Cocamidopropyl PG-Dimonium Chloride Phosphate)
Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Cocamidopropyl PG-Dimonium Chloride Phosphate)
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Cocamidopropyl PG-Dimonium Chloride Phosphate)
Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Cocamidopropyl PG-Dimonium Chloride Phosphate)

14.3. Transport hazard class(es)
ADR/RID class 9
ADR/RID classification code M6
ADR/RID label 9
IMDG class 9
ICAO class/division 9
ADN class 9

Transport labels

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ICAO packing group III
ADN packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
Cola®Lipid C

14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code +3Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS None of the ingredients are listed or exempt.

EU - REACH Registered - 01-2120763938-35-XXXX

Canada - DSL/NDSL All the ingredients are listed or exempt.

Australia - AICS All the ingredients are listed or exempt.

Japan - ENCS Not listed.

Korea - KECI All the ingredients are listed or exempt.

China - IECSC All the ingredients are listed or exempt.
Cola®Lipid C

China - IECIC
Listed as Cocamidopropyl PG-Dimonium Chloride Phosphate.

Philippines – PICCS
All the ingredients are listed or exempt.

New Zealand - NZIOC
All the ingredients are listed or exempt.

Taiwan - TCSI
All the ingredients are listed or exempt.

SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
- IATA: International Air Transport Association.
- CAS: Chemical Abstracts Service.
- ATE: Acute Toxicity Estimate.
- LC₅₀: Lethal Concentration to 50 % of a test population.
- LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
- EC₅₀: 50% of maximal Effective Concentration.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations and acronyms**

- Eye Irrit. = Eye irritation
- Aquatic Acute = Hazardous to the aquatic environment (acute)

**Classification procedures according to Regulation (EC) 1272/2008**


**Training advice**

Only trained personnel should use this material.

**Issued by**

Regulatory Affairs Department

**Revision date**

07/04/2020

**Revision**

18

**Supersedes date**

05/02/2020

**SDS number**

5124

**Hazard statements in full**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.

End of SDS
Cola®Lipid C

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.