

**Dilutable FHS-Lemon-Confidential Chemlin**

*This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12/16/2020	660000012908	Date of first issue: 12/16/2020

**SECTION 1. IDENTIFICATION**

Product name : Dilutable FHS-Lemon-Confidential Chemlin  
B06910270000  
Product code : 200000063205

**Manufacturer or supplier's details**

Company name of supplier : Colgate-Palmolive Co  
300 Park Avenue  
New York, NY 10022

Telephone : US: Consumer Affairs - 1-800-468-6502

Emergency telephone number : For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.

Global-CHEMTREC- +1 703-741-5970

**Recommended use of the chemical and restrictions on use**

Recommended use : Hand Soap-Dilutable Tablet

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Eye irritation : Category 2A

Skin sensitisation : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : WARNING

Hazard statements : H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

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### Precautionary statements

#### Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ eye protection/ face protection.

#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Citric Acid	77-92-9	$\geq 50 - < 70$
SODIUM CARBONATE	497-19-8	$\geq 10 - < 20$
SODIUM C12-16 ALKYL SULFATE	68585-47-7	$\geq 5 - < 10$
SODIUM BENZOATE	532-32-1	$\geq 5 - < 10$
LIME (CITRUS AURANTIFOLIA) OIL	8008-26-2	$\geq 0.1 - < 1$

## SECTION 4. FIRST AID MEASURES

### General advice

: Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

### If inhaled

: If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

### In case of skin contact

: If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

### In case of eye contact

: Immediately flush eye(s) with plenty of water.

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- Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
Causes serious eye irritation.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Neutralize with chalk, alkali solution or ammonia.  
Keep in suitable, closed containers for disposal.

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

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**Hand protection**

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection**

: Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection**

: Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**

: When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

: tablet

**Colour**

: light yellow

**pH**

: 4

**Flash point**

: Not applicable

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

: No decomposition if stored and applied as directed.

**Chemical stability**

: No decomposition if stored and applied as directed.

**Possibility of hazardous reactions**

: No decomposition if stored and applied as directed.

**Conditions to avoid**

: No data available

**Incompatible materials**

: Not applicable

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: 3,513 mg/kg

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Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 200 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **Citric Acid:**

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### **SODIUM CARBONATE:**

Acute oral toxicity : LD50 (Rat): 2,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2,300 mg/l  
Exposure time: 2 h  
Test atmosphere: No information available.  
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: No information available.

#### **SODIUM C12-16 ALKYL SULFATE:**

Acute oral toxicity : LD50 (Rat): > 1,200 mg/kg

Acute inhalation toxicity : LD50 (Rat): > 2,000 mg/l

#### **SODIUM BENZOATE:**

Acute oral toxicity : LD50 (Rat): 3,140 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): > 12,200 mg/m3  
Exposure time: 4 h  
Test atmosphere: No information available.  
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: No information available.

#### **LIME (CITRUS AURANTIFOLIA) OIL:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

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Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: No information available.

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****Citric Acid:**

Result : No skin irritation

**SODIUM CARBONATE:**

Remarks : No data available

Remarks : May cause skin irritation in susceptible persons.

**SODIUM C12-16 ALKYL SULFATE:**

Result : Skin irritation

**SODIUM BENZOATE:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

**LIME (CITRUS AURANTIFOLIA) OIL:**

Result : Severe skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****Citric Acid:**

Result : Eye irritation  
Assessment : irritating

**SODIUM CARBONATE:**

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

**SODIUM C12-16 ALKYL SULFATE:**

Result : Eye irritation

**SODIUM BENZOATE:**

Species : Rabbit

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Result : Irritation to eyes, reversing after 7 to 21 days  
Method : OECD Test Guideline 405

**LIME (CITRUS AURANTIFOLIA) OIL:**

Result : No eye irritation

**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Components:****Citric Acid:**

Exposure routes : Inhalation  
Remarks : No data available

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

**SODIUM CARBONATE:**

Exposure routes : Inhalation  
Remarks : No data available

Exposure routes : Dermal  
Remarks : No data available

**SODIUM C12-16 ALKYL SULFATE:**

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

Exposure routes : inhalation (vapour)  
Result : Does not cause respiratory sensitisation.

**SODIUM BENZOATE:**

Exposure routes : Inhalation  
Remarks : No data available

Test Type : Local lymph node assay (LLNA)  
Exposure routes : Dermal  
Species : Guinea pig  
Remarks : No data available

**LIME (CITRUS AURANTIFOLIA) OIL:**

Exposure routes : Inhalation  
Remarks : No data available



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Exposure routes : Dermal  
Result : May cause sensitisation by skin contact.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks : This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 2 of the SDS.

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**SECTION 12. ECOLOGICAL INFORMATION**

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental Occupational Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable).

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION**

- DOT :  
Not Regulated
- TDG :  
Not Regulated
- IATA :  
Not Regulated
- IMDG :  
Not Regulated
- ADR :  
Not Regulated

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**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Respiratory or skin sensitisation  
Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

SODIUM BENZOATE	532-32-1
SODIUM ACETATE	127-09-3

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations****Massachusetts Right To Know**

Citric Acid	77-92-9
SODIUM CARBONATE	497-19-8

**Pennsylvania Right To Know**

Citric Acid	77-92-9
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SODIUM CARBONATE	497-19-8
GLUCONOLACTONE	90-80-2
SODIUM C12-16 ALKYL SULFATE	68585-47-7
SODIUM BENZOATE	532-32-1

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

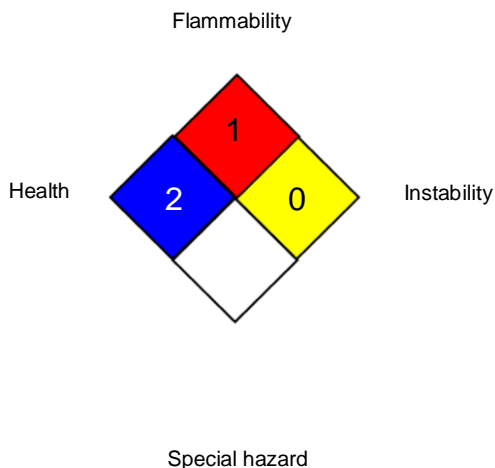
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### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH	/	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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