



# SAFETY DATA SHEET

## Unger The Pill UE (US-CA-MX / EN)



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

Date issued 12.08.2015

#### 1.1. Product identifier

Product name Unger The Pill UE (US-CA-MX / EN)

Article no. 13604 / 13605 / PL100 / PL500 / 15033 / HYSPO / ETSET

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

Function Detergent

Product group Cleaning agents

Use of the substance/preparation Glass Cleaner - Non-Aerosol

Uses advised against No specific uses advised against are identified.

The chemical can be used by the general public Yes

#### 1.3. Details of the supplier of the safety data sheet

Company name Unger Enterprises LLC

Office address 425 Asylum Street

Postcode 06610

City Bridgeport, CT

Country United States of America

Tel +1 800 431 2324

Fax +1 800 367 1988

E-mail [compliance@ungerglobal.com](mailto:compliance@ungerglobal.com)

Website <http://www.ungerglobal.com>

#### 1.4. Emergency telephone number

Identification comments For Hazardous Materials [or Dangerous Goods] Incident - Spill, Leak, Fire, Exposure, or Accident - Call CHEMTREC Day or Night.  
Within USA and Canada: 1-800-424-9300 CCN726541 or +1 703-527-3887 (collect calls accepted).  
Within Mexico, please call + 1 203 366 4884 (collect calls accepted) between 8:30 am – 5:00 pm Eastern Time Zone (EST/EDT).

### SECTION 2: Hazards identification

#### 2.1. Classification of substance or mixture

Classification according to GHS Eye Irrit. 2; H319; Calculation method

#### 2.2. Label elements

##### Hazard Pictograms



Composition on the label

Sodium bicarbonate: 70 - 82 % wt/wt, Citric acid: 15 - 25 % wt/wt, Sodium lauryl sulfoacetate: 1,5 - 2,0 % wt/wt, Polyethylene glycol: 1,0 - 2,0 % wt/wt, Magnesium stearate: 0,15 % wt/wt, FDC Blue No. 1: 0,25 % wt/wt

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye 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.

## 2.3. Other hazards

Physico-chemical effects

cf. section 9 for physical-chemical information.

Health effect

May be harmful if swallowed. May irritate eyes and skin.

Environmental effects

Cf. section 12 for information on ecology.

Symptoms and effects of potential misuse

No information required.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Substance                       | Identification                                                                                                                                        | Classification                                                                                        | Contents          |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------|
| Sodium bicarbonate (US)         | CAS no.: 144-55-8<br>Synonyms: Sodium bicarbonate<br>IUPAC name: Sodium hydrogencarbonate                                                             |                                                                                                       | 70 - 82 % wt/wt   |
| Citric acid (US)                | CAS no.: 77-92-9<br>Synonyms: Citric acid<br>IUPAC name: 2-Hydroxypropane 1,2,3-tricarboxylic acid                                                    | Eye Irrit. 2; H319                                                                                    | 15 - 25 % wt/wt   |
| Sodium lauryl sulfoacetate (US) | CAS no.: 1847-58-1<br>Synonyms: Dodecyl sodium sulfoacetate<br>IUPAC name: Sodium 2-(dodecyloxy)-2-oxoethane-1-sulphonate                             | Acute tox. 4; H302<br>Acute tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE3; H335 | 1,5 - 2,0 % wt/wt |
| Polyethylene glycol (US)        | CAS no.: 25322-68-3<br>Synonyms: Polyethylene glycol<br>IUPAC name: Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy- ethane-1,2-diol, ethoxylated | STOT SE3; H335                                                                                        | 1,0 - 2,0 % wt/wt |
| Magnesium stearate (US)         | CAS no.: 557-04-0<br>Synonyms: Magnesium distearate<br>IUPAC name: Magnesium distearate                                                               |                                                                                                       | 0,15 % wt/wt      |
| FDC Blue No. 1 (US)             | CAS no.: 3844-45-3<br>Synonyms: C.I. Acid Blue 9, disodium salt<br>IUPAC name: Dihydrogen                                                             |                                                                                                       | 0,25 % wt/wt      |

|                            |                                                                                                                                                      |  |  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                            | (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt |  |  |
| Description of the mixture | Pellets. Solid. Blue. 0% of the mixture consists of ingredients(s) of unknown toxicity.                                                              |  |  |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General      | Place unconscious person on the side in the recovery position and ensure breathing can take place. If medical advice is needed, have product container or label at hand.                                  |
| Inhalation   | Due to the small packaging the risk of inhalation is minimal. IF INHALED: Move into fresh air and keep at rest.                                                                                           |
| Skin contact | Wash skin with soap and water.                                                                                                                                                                            |
| Eye contact  | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.        |
| Ingestion    | Immediately rinse mouth and drink plenty of water (200-300 ml). Never give liquid to an unconscious person. DO NOT INDUCE VOMITING! If medical advice is needed, have product container or label at hand. |

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

|                            |                    |
|----------------------------|--------------------|
| Acute symptoms and effects | Burning sensation. |
|----------------------------|--------------------|

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

|                               |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| Specific details on antidotes | Decontamination, symptomatic treatment. No special antidote known. |
|-------------------------------|--------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| Suitable extinguishing media | Product doesn't ignite. Use fire-extinguishing media appropriate for surrounding materials. |
| Improper extinguishing media | Water jet.                                                                                  |

### 5.2. Special hazards arising from the substance or mixture

|                               |                                                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire and explosion hazards    | This product is not flammable.                                                                                                                                                |
| Hazardous combustion products | Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Hydrocarbons. Organic decomposition products. Sulfur dioxide (SO <sub>2</sub> ). Sulfur trioxide (SO <sub>3</sub> ). |

### 5.3. Advice for firefighters

|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| Personal protective equipment | In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required. |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                               |                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| General measures              | Avoid dust formation. Avoid contact with eyes and skin.                                                                |
| Personal protection measures  | Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. |
| Hazardous combustion products | cf. section 5                                                                                                          |

#### 6.1.2. For emergency responders

|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| For emergency responders | In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required. |
|--------------------------|---------------------------------------------------------------------------------------------------------------|

### 6.2. Environmental precautions

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Environmental precautionary measures | Avoid discharge into drains, water courses or onto the ground. |
|--------------------------------------|----------------------------------------------------------------|

### 6.3. Methods and material for containment and cleaning up

Cleaning method Sweep-up or pick-up with an industrial vacuum cleaner, store in closed container for disposal.

#### 6.4. Reference to other sections

Other instructions cf. section 8 for personal protection, and section 13 for waste disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling Observe good chemical hygiene practices. Avoid contact with eyes and prolonged skin contact. Avoid eating, drinking and smoking when using the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage Store at moderate temperatures in dry, well ventilated area.

#### Conditions for safe storage

Requirements for storage rooms and vessels Storage in gateways, passages, stairways, hallways open to public, roofs, attics, cellars and work-rooms is not advisable.

Advice on storage compatability No incompatibilities known.

#### 7.3. Specific end use(s)

Recommendations Cf. section 1.2

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### Occupational Exposure limit values

| Substance          | Identification                                    | Value                                                                                                 | TWA Year |
|--------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------|
| Sodium bicarbonate | CAS no.: 144-55-8<br>Synonyms: Sodium bicarbonate | 8-hour TWA: 5 mg/m <sup>3</sup><br>OEL Occupational Exposure Limit / 8 hours (shift length)<br>Latvia |          |

#### DNEL / PNEC

Recommended monitoring procedures NIOSH 0500: Total particulates not otherwise regulated.  
OSHA PV2121: Gravimetric determination.

#### 8.2. Exposure controls

#### Precautionary measures to prevent exposure

Organizational measures to prevent exposure Thoroughly clean hands, forearms, and face after handling of the product, before eating, drinking and lavatory use, and at the end of the work shift.  
Technical measures to prevent exposure Use engineering controls to reduce air contamination to permissible exposure level.

#### Respiratory protection

Respiratory protection Under normal conditions of use respiratory protection should not be required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

#### Hand protection

Hand protection For prolonged or repeated skin contact use suitable protective gloves.

#### Eye / face protection

Eye protection Wear approved, tight fitting safety glasses where splashing is probable.

#### Skin protection

Skin protection (except hands) Generally regular work clothing sufficient.

#### Hygiene / Environmental

Specific hygiene measures No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. When using do

not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

## SECTION 9: Physical and chemical properties

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

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Physical state                          | Pellets. Solid.                                          |
| Colour                                  | Blue.                                                    |
| Odour                                   | Odourless.                                               |
| Comments, pH (as supplied)              | No data recorded.                                        |
| pH (aqueous solution)                   | Value: 7,0-7,5<br>Method of testing: 2% aqueous solution |
| Melting point/melting range             | Value: > 200 °C                                          |
| Comments, Boiling point / boiling range | No data recorded.                                        |
| Comments, Flash point                   | No data recorded.                                        |
| Comments, Evaporation rate              | No data recorded.                                        |
| Flammability (solid, gas)               | No data recorded.                                        |
| Comments, Vapour pressure               | No data recorded.                                        |
| Comments, Vapour density                | No data recorded.                                        |
| Solubility in water                     | Unlimited miscible                                       |
| Comments, Decomposition temperature     | No data recorded.                                        |
| Comments, Viscosity                     | No data recorded.                                        |
| Explosive properties                    | Not explosive                                            |
| Oxidising properties                    | Not oxidizing                                            |

### 9.2. Other information

|                 |                             |
|-----------------|-----------------------------|
| Softening point | Comments: No data available |
| Content Of Voc  | Comments: No data available |

### Physical hazards

|                         |                   |
|-------------------------|-------------------|
| Comments, Particle size | No data recorded. |
|-------------------------|-------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                              |
|------------|------------------------------|
| Reactivity | Stable in normal conditions. |
|------------|------------------------------|

### 10.2. Chemical stability

|           |                                                                 |
|-----------|-----------------------------------------------------------------|
| Stability | Stable under normal temperature conditions and recommended use. |
|-----------|-----------------------------------------------------------------|

### 10.3. Possibility of hazardous reactions

|                                    |                                                                              |
|------------------------------------|------------------------------------------------------------------------------|
| Possibility of hazardous reactions | No hazardous reactions under regular storage and handlings conditions known. |
|------------------------------------|------------------------------------------------------------------------------|

### 10.4. Conditions to avoid

|                     |                        |
|---------------------|------------------------|
| Conditions to avoid | Protect from moisture. |
|---------------------|------------------------|

### 10.5. Incompatible materials

|                    |               |
|--------------------|---------------|
| Materials to avoid | Strong acids. |
|--------------------|---------------|

### 10.6. Hazardous decomposition products

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Hazardous decomposition products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Organic decomposition products. |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological Information:

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| Other toxicological data | ATE (Oral) 4695.00 mg/kg bw<br>ATPE (Dermal) 55000.00 mg/kg bw |
|--------------------------|----------------------------------------------------------------|

**Potential acute effects**

|                   |                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation        | No specific health warnings noted. Dust may irritate respiratory system.                                                                                                                                                   |
| Skin contact      | No specific health warnings noted. Dust has an irritating effect on moist skin. Prolonged contact may cause redness and irritation.                                                                                        |
| Eye contact       | No specific health warnings noted. Prolonged contact may cause redness and/or tearing. Causes serious eye irritation.                                                                                                      |
| Ingestion         | No specific health warnings noted. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhea. |
| Aspiration hazard | Technically not feasible.                                                                                                                                                                                                  |

**Delayed effects / repeated exposure**

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Sensitisation          | No specific health warnings noted.                 |
| STOT-single exposure   | No data available, probably no subchronic toxicity |
| STOT-repeated exposure | No data available, probably no chronic toxicity    |

**Carcinogenic, Mutagenic or Reprotoxic**

|                        |                                    |
|------------------------|------------------------------------|
| Carcinogenicity        | No specific health warnings noted. |
| Mutagenicity           | No specific health warnings noted. |
| Teratogenic properties | No specific health warnings noted. |
| Reproductive toxicity  | No specific health warnings noted. |

**SECTION 12: Ecological information****12.1. Toxicity****Toxicological data for substances**

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Substance                | Citric acid (US)                                                  |
| Acute aquatic, fish      | Value: 1516 mg/L<br>Species: Lepomis macrochirus<br>Duration: 96h |
| Acute aquatic, Daphnia   | Value: 120 mg/L<br>Species: Daphnia magna<br>Duration: 72h        |
| Distribution coefficient | Value: -1,72<br>Comments: Log Pow                                 |

**12.2. Persistence and degradability**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Persistence and degradability | All organic components are considered biodegradable. |
|-------------------------------|------------------------------------------------------|

**12.3. Bioaccumulative potential**

|                           |                                     |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | The product is not bioaccumulating. |
|---------------------------|-------------------------------------|

**12.4. Mobility in soil**

|          |                                                            |
|----------|------------------------------------------------------------|
| Mobility | No data on possible environmental effects have been found. |
|----------|------------------------------------------------------------|

**12.5. Results of PBT and vPvB assessment**

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| PBT assessment results | This product does not contain any PBT or vPvB substances. |
|------------------------|-----------------------------------------------------------|

**12.6. Other adverse effects**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Comments, Ozone depletion potential    | Ozone depletion potential not known |
| Comments, Photochemical ozone creation | Ozone formation potential not known |
| Comments Global warming potential      | Global greenhouse effect not known  |

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

|                                             |                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Specify the appropriate methods of disposal | Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required. |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|

|                                         |                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relevant waste regulation               | <b>USA:</b> Federal waste regulation: 40 CFR 261<br><b>Canada:</b> Canadian Environmental Protection Act (CEPA 1999; s.s..1999, c.33) Part 7 Controlling Pollution and Managing Wastes.<br><b>Mexico:</b> Regulation of the General Law of Ecological Balance and Environmental Protection in Hazardous Waste. |
| Product classified as hazardous waste   | No                                                                                                                                                                                                                                                                                                             |
| Packaging classified as hazardous waste | No                                                                                                                                                                                                                                                                                                             |

## SECTION 14: Transport information

### 14.1. UN number

Comments No recommendation given.

### 14.2. UN proper shipping name

Comments No recommendation given.

### 14.3. Transport hazard class(es)

Comments No recommendation given.

### 14.4. Packing group

Comments No recommendation given.

### 14.5. Environmental hazards

Comments No recommendation given.

### 14.6. Special precautions for user

Special safety precautions for user No recommendation given.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name No recommendation given.

### Additional information.

Additional information. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### ADR / RID - Other information

ADR Other information No recommendation given.

### ADN - Other information

Other information No recommendation given.

### IMDG / ICAO / IATA Other information

IMDG Other information No recommendation given.

## SECTION 15: Regulatory information

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

References (laws/regulations) **International Inventories**

USA: All compounds are listed on the TSCA Inventory  
Canada: All components are listed either on the DSL or NDSL.

#### Regulations of the United States of America:

29 CFR 1910.1200, Subpart Z (Toxic and Hazardous Substances), App. A (Health Hazards), App B (Physical Criteria), App C (Allocation of Label Elements), App D (Minimum Information for a SDS), App E (Trade Secret), App F (Carcinogenicity).

US Federal Regulations:

**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories:**

Acute Health Hazard Yes

Chronic Health Hazard No

Fire Hazard No

Sudden release of pressure hazard No

Reactive Hazard No

**CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations:**

This product does not contain any substances regulated by state right-to-know regulations.

**Regulations of Canada:**

Workplace Hazardous Materials Information System (WHMIS 2015), adoption to the Globally Harmonized System (GHS).

Hazardous Products Act (R.S.C., 1985, c.H-3), last amended Feb 11, 2015.

Hazardous Products Regulation (SOR / 2015-17), last amended Feb 11, 2015.

**Regulations of Mexico:**

Official Mexican Standard NMX-R-019-SCFI-2011, harmonized system of classification and hazard communication of chemicals [Globally Harmonized System (GHS)] (DOF, 29-VI-2011).

Official Mexican Standard NOM-018-STPS-2000, system for the identification and communication of hazards and risks from hazardous chemicals in the workplace (DOF, 27-X-2000).

## 15.2. Chemical safety assessment

|                                      |                          |
|--------------------------------------|--------------------------|
| Chemical safety assessment performed | No                       |
| Chemical Safety Assessment           | No data recorded.        |
| Exposure scenarios for mixture       | No                       |
| Exposure Scenario Comments           | No recommendation given. |

**SECTION 16: Other information**

|                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier's notes                                                   | The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. |
| Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] | Eye Irrit. 2; H319; Calculation method                                                                                                                                                                                                                                                                                                                                                                                      |
| List of relevant H-phrases (Section 2 and 3).                      | H318 Causes Serious eye damage.<br>H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H335 May cause respiratory irritation.<br>H312 Harmful in contact with skin.<br>H319 Causes serious eye irritation.                                                                                                                                                                                                        |
| Training advice                                                    | not relevant                                                                                                                                                                                                                                                                                                                                                                                                                |
| Recommended restrictions on use                                    | Not relevant.                                                                                                                                                                                                                                                                                                                                                                                                               |
| User notes                                                         | In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material, as far as not expressly stated otherwise.                                                                                                                                                                                              |
| Version                                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Responsible for safety data sheet                                  | Unger Enterprises LLC                                                                                                                                                                                                                                                                                                                                                                                                       |