SAFETY DATA SHEET
Unger the Pill UE (US / EN)


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

Date issued 30.07.2015

1.1. Product identifier
Product name Unger the Pill UE (US / EN)
Article no. 13604 / 13605 / PL100 / PL500 / 15033 / HYSPD / 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
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 29 CFR 1920.1200 App D
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
### 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

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

Description of the mixture: Pellets. Solid. Blue. 0% of the mixture consists of ingredients(s) of unknown
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.


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 compatibility
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium bicarbonate</td>
<td>CAS no.: 144-55-8</td>
<td>8-hour TWA: 5 mg/m³</td>
<td>OEL Occupational Exposure</td>
</tr>
<tr>
<td></td>
<td>Synonyms: Sodium bicarbonate</td>
<td>OEL Occupational Exposure Limit / 8 hours (shift length)</td>
<td>Latvia</td>
</tr>
</tbody>
</table>

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
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
For prolonged or repeated skin contact use suitable protective gloves.

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

Skin protection
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)**

<table>
<thead>
<tr>
<th>Value</th>
<th>Method of testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0-7.5</td>
<td>2% aqueous solution</td>
</tr>
</tbody>
</table>

**Melting point/melting range**

<table>
<thead>
<tr>
<th>Value</th>
<th>Method of testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 200 °C</td>
<td></td>
</tr>
</tbody>
</table>

**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 |
| 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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute aquatic, fish</th>
<th>Value: 1516 mg/L</th>
<th>Species: Lepomis macrochirus</th>
<th>Duration: 96h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic, Daphnia</td>
<td>Value: 120 mg/L</td>
<td>Species: Daphnia magna</td>
<td>Duration: 72h</td>
<td></td>
</tr>
</tbody>
</table>

**Distribution coefficient**

- Value: -1.72
- 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

<table>
<thead>
<tr>
<th>Comments</th>
<th>Ozone depletion potential</th>
<th>Ozone formation potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone depletion potential not known</td>
<td></td>
<td>Ozone formation potential not known</td>
</tr>
</tbody>
</table>

### 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**

Federal waste regulation: 40 CFR 261

**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. 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

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

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.

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.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H312 Harmful in contact with skin.  
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