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 (CA / 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 Workplace Hazardous Materials Information System (WHMIS 2015)

Eye Irrit. 2; H319; Calculation method

2.2. Label elements

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>Eye Irrit. 2; H319</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 hydrogencarbonate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Citric acid (US)</td>
<td>CAS no.: 77-92-9</td>
<td>Acute tox. 4; H302</td>
<td>1,5 - 2,0 % 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>Skin Irr. 2; H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synonyms: Dodecyl sodium sulfoacetate</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IUPAC name: Sodium 2-(dodecylxyloxy)-2-oxoethane-1-sulphonate</td>
<td></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-ylidene][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). Do not give victim anything to drink if he is unconscious. 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

Information for health personnel
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

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 Synonyms: Sodium bicarbonate</td>
<td>8-hour TWA: 5 mg/m³ OEL Occupational Exposure Limit / 8 hours (shift length) Latvia</td>
<td></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
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


Colour: Blue.

Odour: Odourless.

Comments, pH (as supplied): No data recorded.

\[ \text{pH (aqueous solution)} \]
\[ \text{Value: 7.0–7.5} \]
\[ \text{Method of testing: 2\% aqueous solution} \]

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
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.

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**SECTION 12: Ecological information**

12.1. Toxicity

**Toxicological data for substances**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Citric acid (US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic, fish</td>
<td>Value: 1516 mg/L</td>
</tr>
<tr>
<td></td>
<td>Duration: 96h</td>
</tr>
<tr>
<td>Acute aquatic, Daphnia</td>
<td>Value: 120 mg/L</td>
</tr>
<tr>
<td></td>
<td>Duration: 72h</td>
</tr>
<tr>
<td>Distribution coefficient</td>
<td>Value: -1.72</td>
</tr>
</tbody>
</table>

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

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**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
Canadian Environmental Protection Act (CEPA 1999; s.s..1999, c.33) Part 7 Controlling Pollution and Managing Wastes.

Product classified as hazardous waste
No

Packaging classified as hazardous
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
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.


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