

## EU Safety Data Sheet

According to EC Directive 2001/58/EC

Date of issue: 20<sup>th</sup> of April 2006

Revised on: 21<sup>st</sup> of April 2006

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### 1. Material/preparation and company designation

#### 1.1 Product details

1.2 Trade name : Window Cleaning Soap FR100/FR110/0400/FR500/95542D

#### 1.3 Use of the preparation

Glass cleaner

#### 1.4 Manufacturer/supplier information

1.4.1 Manufacturer : Unger Germany GmbH

1.4.2 Street/PO Box : Dellenfeld 35

1.4.3 Postcode/City : D-42653 Solingen

1.4.4 Phone : 0212-2207136

1.4.5 Fax : 0212-2207137

#### 1.5 Information contact

1.5.1 Information : Mr Putsch

1.5.2 Phone/consulting: 0212 2207136

### 2. Composition/data of ingredients

Content data in accordance with 648/2004/EC

5-15% non-ionic tensides

<5% amphoteric tensides

in addition scents, alcohols

#### Hazardous ingredients

Chemical name	%	CAS-No.	Einecs-Einc	Hazard symbol	R-clauses
Fatty alcohol polyglycol ether	5-15	69011-36-5	Polymer	Xn	22,41
Cocamidopropylbetain	<5	61789-40-0	263-058-8	Xi	36
2-propanol	5-10	67-63-0	200-661-7	F, Xi	11,36,67

### 3. Possible hazards

The preparation is not dangerous in the sense of the directive 1999/45/EC

3.1 For humans : none with correct use

3.2 For the environment : none

### 4. First aid measures

4.1 Inhalation : breathe fresh air

4.2 Eye contact : rinse with generous amounts of water for 3 minutes

4.3 Skin contact : wash thoroughly with water

4.4 Swallowing : do not vomit, seek medical advice

4.5 Information for the doctor : consult a doctor if the symptoms persist

**5. Fire fighting measures**

- 5.1 Suitable extinguisher : water jet, carbon dioxide, foam and extinguishing powder  
 5.2 Unsuitable extinguisher : not applicable  
 5.3 Special safety equipment : not required

**6. Measures in case of accidental release**

- 6.1 Personal measures : wear safety gear. Change out of soiled clothes.  
 6.2 Environmental measures : do not allow it to get into the surface water/ground water  
 6.3 Method for cleaning/absorbing : clear up with a liquid binding material (sand, siliceous earth)

**7. Handling and storage**

- 7.1 Handling  
 7.1.1 Notes on safe handling : keep containers closed  
 7.2.1 Storage  
 7.2.1 Requirements for storerooms : none  
 7.2.2 Instructions for common storage : no restrictions

**8. Exposure limits and personal safety equipment**

- 8.1 Technical protection measures : not required  
 8.2 Ingredients with workplace related limit values  
 8.2.1 Designation of substance/TRGS 900 : 2-propanol/CAS no. 67-63-0/980 mg/m<sup>3</sup>

**8.3 Personal safety equipment**

- 8.3.1 Work hygiene : take off soiled clothing  
 8.3.2 Breathing protection : not required  
 8.3.3 Hand protection : not required  
 8.3.4 Eye protection : not required  
 8.3.5 Body protection : not required

**9. Physical and chemical properties**

- Form : liquid  
 Colour : green  
 Smell : perfumed

- Change in state / boiling point, °C : 80 starts boiling
- |                      |             |             |                       |                     |
|----------------------|-------------|-------------|-----------------------|---------------------|
| Density              | g/ml        | (20 °C)     | : 0.98                | DIN 51757           |
| Steam pressure       | mbar        | (20 °C)     | : 40                  | DIN 51640           |
| Viscosity            | mPas        | (25 °C)     | : approx. 150         | dynamic, Brookfield |
| pH value undiluted   |             | (20 °C)     | : 8                   | DIN 19261           |
| pH value 1%          |             | (20 °C)     | : 7.5                 |                     |
| Flashpoint           |             | (°C)        | : 53                  | DIN 51376           |
| Ignition temperature |             | (°C)        | : unknown             | EG A.16             |
| Explosion limits     | vol.% upper |             | : unknown             | DIN 51649           |
|                      |             | vol.% lower | : unknown             | DIN 51649           |
| Water solubility     |             | (20 °C)     | : unlimitedly mixable |                     |

**10. Stability and reactivity**

- 10.1 Conditions to be avoided : heating above 70 °C  
 10.2 Substances to be avoided : none known in the planned area of application  
 10.3 Dangerous decomposition products: none  
 10.4 Miscellaneous : no known dangerous decomposition products

**11. Notes on toxicology**

- 11.1 Toxicity : LD50 rat oral >2000mg/kg  
 11.2 Irritation of the skin : none  
 11.3 Irritation of the eyes : weak  
 11.4 Experience with humans : no previous negative effects (sensitisation) known

**12. Notes on ecology**

- 12.1 Biodegradability : the tensides contained in the preparation fulfill the conditions for biodegradability as prescribed in the EC 648/2004 regulations re detergents  
 12.2 Acute fish toxicity : LC 50 : 10-<100 mg product/l  
 12.3 Acute bacteria toxicity : EC0 : <100 mg product/l  
 12.4 Algae toxicity : EC 50 : not determined

**13. Information on disposal**

- 13.1 Product : consult manufacturer about recycling or use properly. Must be disposed of properly in accordance with the special disposal regulations.  
 13.2 Packaging uncleaned : clean with water. Consult supplier for taking back.  
 13.3 EC waste code AVV (Waste Register Directive) product : 20 01 30 (cleaning agent)  
 13.5 EC waste code AVV (Waste Register Directive) packing : 20 01 39 (plastic)

**14. Transport regulations****General information**

UN number n.a.

**14.1 Road/rail transport (GGVSE/ADR/RID)**

Class/packing group n.a.  
 Classification code n.a.  
 LQ n.a.

**14.2 Transport on board ship**

GGVSee/IMG code n.a.  
 EmS No. n.a.  
 Marine pollutant n.a.

**14.3 Transport on board aeroplane**

IATA (class/sub-hazard/packing group) n.a.

**14.4 Transport/other data**

not a hazardous product in the sense of transport regulations.  
 Does not self-combust.

## 15. Specifications

### 15.1 Identification according to Hazardous Goods Act and EC Directives 67/548/EEC, 1999/45/EC

15.1.1 Symbol : none  
15.1.2 Hazard designation : none  
15.1.3 R-clauses : none  
15.1.4 S-clauses :

### 15.2 National regulations

15.2.1 Employment restrictions : observe directive 94/33/EC for children and young people.  
15.2.2 Solvent (VOC) as per 1999/13/EC : 5% 2-propanol  
15.2.3 Water hazard class : WGK2 : water-hazardous ; Attachment 2  
Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes (VwVwS), Mixing rule

## 16. Other information

### Wording of the R-clauses (cf Section 2)

R11 highly inflammable  
R22 damaging to health if ingested  
R36 irritates the eyes  
R41 danger of serious eye damage  
R67 fumes can cause drowsiness and giddiness

### Further information

We will gladly provide further information. The data here are based on the present state of our knowledge and the product in the state as delivered.

# Material Safety Data Sheet

**Product: Unger The Pill**

PL100 : PL500

Effective Date: 1/1/2005

## Section 1 - Chemical and Company Information

Manufacture: *Unger Enterprises Inc.*  
Bridgeport, CT 06610

Emergency Telephone No.: 203-366-4884

Common Name: Detergent mixture, Nonionic, Solid

Synonym(s): *Unger The Pill*

CAS No.(s): Mixture, Not Applicable

## Section 2- Composition Information on Ingredients

Ingredient	%	CAS No.
Sodium bicarbonate	<25	144-55-8
Sodium carbonate	<25	497-19-8
Citric acid	<50	77-92-9

Hazardous Components: There are no hazardous ingredients in *Unger The Pill* as defined by OSHA standard and Hazardous Substance List 29 CFR 1910 Subpart Z.

## Section 3 - Hazard Identification

Emergency Overview:

Health:	1	Slight Hazard
Fire:	0	Minimal Hazard
Reactivity:	0	Minimal Hazard
Personal Protection:	0	Minimal Hazard

Caution Statement: Keep out of reach of children.

## Section 4 - First Aid Measures

Eyes & skin: Wash thoroughly with running water. Get medical advice if irritation develops.

Inhalation: N.A.

Ingestion: If large amounts are swallowed, get medical advice.

## Section 5 - Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

<b>Product: Unger The Pill</b>
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Section 6 - Accidental Release Measures

Isolate area, sweep up and containerize as much as possible. Rinse remainder to sewer. Material is biodegradable.

Section 7 - Handling and Storage

Protect against physical damage, keep containers tightly closed, store in a cool, dry area.

Section 8 - Exposure Controls and Personal Protection

Respiratory Protection: N.A.

Ventilation Requirements: N.A.

Skin and Eye Protection: Impervious gloves are useful when handling material. Goggles or safety glasses are recommended, but not required when handling material.

Exposure limits: Not established

Section 9 - Physical and Chemical Properties

Appearance: Solid tablet, light blue

Vapor Density: N.A.

Melting Point: >200°C

Solubility, water: Yes, effervescent

Section 10 - Stability and Reactivity

Stability: Stable under normal use

Hazardous Decomposition Products: May release CO<sub>2</sub> on incineration

Hazardous Polymerization: Will Not Occur

Incompatibilities: N.A.

Conditions to avoid: Material should be stored in a dry area

Section 11 - Disposal Considerations

Dispose of in accordance with all federal, state and local regulations

Section 12 - Transportation Information

Not Regulated

Section 13 - Regulatory Information

CERCLA Reportable Requirements (RQ): None

Section 14 - Other Information

Information contained herein is given in good faith but makes no warranty or representation as to its comprehensiveness or accuracy.