

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : Biocaf Coffee Equipment Cleaning Tablets

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

Use of the substance/mixture : Espresso machine cleaning tablets

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

##### Manufacturer

Biocaf  
 700 Executive Blvd.  
 Elmsford, NY 10523 USA  
 T +1-914-963-2042 - F +1-914-963-2145  
[info@urnex.com](mailto:info@urnex.com)

##### Distributor

#### 1.4. Emergency telephone number

Emergency number : US/Canada (Infotrac): 1-800-535-5053

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Eye Irrit. 2A

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) : Warning  
 Hazard statements (GHS) : Causes serious eye irritation.  
 Precautionary statements (GHS) : Wash hands thoroughly after handling. Wear protective gloves, eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Disodium carbonate	(CAS-No.) 497-19-8	15 - 40
Sodium percarbonate	(CAS-No.) 15630-89-4	10 - 30
Citric acid	(CAS-No.) 77-92-9	7 - 13
Sodium lauryl sulphate	(CAS-No.) 68955-19-1	1 - 5

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

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

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

#### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

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

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

- For containment : Sweep or shovel spills into appropriate container for disposal. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Avoid dust formation. Provide ventilation.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid generating dust. Good housekeeping is important to prevent accumulation of dust. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Citric acid (77-92-9)

Not applicable

#### Disodium carbonate (497-19-8)

Not applicable

#### Sodium percarbonate (15630-89-4)

Not applicable

#### Sodium lauryl sulphate (68955-19-1)

Not applicable

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : None necessary under normal conditions of use. Suitable gloves are recommended for prolonged contact or if sensitive skin.  
Eye protection : Safety glasses or goggles are recommended when using product.  
Skin and body protection : None necessary under normal conditions of use.  
Respiratory protection : In case of inadequate ventilation wear respiratory protection. None necessary under normal conditions of use.  
Environmental exposure controls : Avoid release to the environment.  
Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

Physical state : Solid  
Appearance : Granules. Powder.  
Colour : White  
Odour : None  
Odour threshold : No data available  
pH : 10 (10% Solution)  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Flammability (solid, gas) : Not flammable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 1.06  
Solubility : No data available  
Partition coefficient n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive limits : No data available  
Explosive properties : No data available  
Oxidising properties : No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Strong acids

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

<b>Citric acid (77-92-9)</b>	
LD50 oral rat	3 g/kg
LD50 dermal rat	> 2000 mg/kg
ATE CA (oral)	3000 mg/kg bodyweight
<b>Disodium carbonate (497-19-8)</b>	
LD50 oral rat	4090 mg/kg
ATE CA (oral)	4090 mg/kg bodyweight
<b>Sodium percarbonate (15630-89-4)</b>	
LD50 oral rat	1034 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CA (oral)	1034 mg/kg bodyweight
<b>Sodium lauryl sulphate (68955-19-1)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

Skin corrosion/irritation : Not classified.  
pH: 10 (10%)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 10 (10%)

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : Not classified.

STOT-repeated exposure : Not classified.

Aspiration hazard : Not classified.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

<b>Citric acid (77-92-9)</b>	
LC50 fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
<b>Disodium carbonate (497-19-8)</b>	
LC50 fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>Sodium percarbonate (15630-89-4)</b>	
LC50 fish 1	70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	4.9 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

#### 12.2. Persistence and degradability

<b>Biocaf Coffee Equipment Cleaning Tablets</b>	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

<b>Biocaf Coffee Equipment Cleaning Tablets</b>	
Bioaccumulative potential	Not established.
<b>Citric acid (77-92-9)</b>	
Partition coefficient n-octanol/water	-1.72 (at 20 °C)
<b>Disodium carbonate (497-19-8)</b>	
BCF fish 1	(no bioaccumulation)
<b>Sodium percarbonate (15630-89-4)</b>	
BCF fish 1	(no bioaccumulation)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information : No other effects known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### SECTION 14: Transport information

**DOT (Ground):** Not regulated.

**IATA (Air):** Not regulated.

**IMDG (Vessel):** Not regulated.

**TDG:** Not regulated.

### SECTION 15: Regulatory information

#### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

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### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 03/06/2020

Other information : None.

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