

MSDS: Full Circle™ Coffee Equipment Wash (an Urnex® Brand product)
This MSDS was prepared in accordance to REACH 1907/2006/EC, Article 31

1. Product and Company Identification

Product Name:	Full Circle™ Coffee Equipment Wash (an Urnex® Brand product)
General Use:	For cleaning home coffee makers and espresso machines.
Product Description:	Blended white powder with granules of varying sizes.
Manufacturer:	Urnex Brands, Inc. 170 Ludlow Street, Yonkers, NY 10705 USA Tel. 914-963-2042 email:Info@urnex.com
Emergency Contact:	Urnex Brands, Inc. 29 Harley Street, London, W1G 9QR, UK Tel. +44 020 7927 6881 800-424-9300 (USA), 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)
Date Prepared	April 8, 2009

2. Hazards Identification

This product is classified as an irritant.

Emergency Overview:	Product is a blended, white powder with granules of varying sizes.
Effects of Overexposure:	May cause skin and eye irritation. If ingested, may cause gastric irritation reaction.
Eye:	May cause slight irritation.
Skin:	Irritating to the skin.
Ingestion:	Irritating to the gastric tract.
Inhalation:	No hazard in normal industrial use.

3. Composition/Information on Ingredients

Material	CAS#	LD-50-LC50 Mixture: LD50 (oral rat)
Sodium Citrate	6132-04-3	>8000 mg/kg
Sodium Carbonate	497-19-8	4090 mg/kg
Sodium Bicarbonate	144-55-8	4220 mg/kg
Sodium Gluconate	527-07-1	>2000 mg/kg
Sodium coco-sulfate	68955-19-1	8290 mg/kg
Sodium Percarbonate	15630-89-4	>1034 mg/kg
Alkylpolyglycoside	132778-08-6	>2000 mg/kg

4. First Aid Measures

Eye:	In case of contact, flush with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin:	Flush thoroughly with water and seek medical attention if irritation persists.
Ingestion:	Do not induce vomiting. If ingested, drink large quantities of water and seek medical advice.
Inhalation:	Remove to fresh air.

5. Fire Fighting Measures

Flash Point:	NA
LEL:	Not determined
UEL:	Not determined
Extinguishing Media:	Foam, carbon dioxide, powder, and water spray.
Firefighting Instructions:	Cool fire exposed containers with spray.
Fire Fighting Equipment	Must wear approved self-contained breathing apparatus.
Unusual Fire & Explosive Hazards:	None

6. Accidental Release Measures

Land Spill:	Sweep material into one area being careful not to allow disposal of the product. Flush remaining spill are with large volume of cold water.
Waste Disposal Methods:	Can be disposed in regular washing procedure.

7. Handling and Storage

General Storage:	Store in a cool, dry place. Keep container closed. Accidentally spilling water into container may cause clumping.
Storage Temperature:	Ambient (between 40 F and 100 F).
Other Precautions:	Avoid contact with skin and eyes. Wash thoroughly after handling.

8. Exposure Controls / Personal Protection

General Hygiene:	There are no known hazards associated with this material when used as recommended.
Ventilation:	Use in a well ventilated area.

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Respiratory:	Do not inhale. Use NIOSH/MSHA approved respirator based on actual or potential airborne concentration in according with OSHA or applicable health and safety standards.
Protective Clothing:	None required in normal use. When working with large quantities or in technical production applications gloves are recommended.
Eye Protection:	Avoid contact with eyes. Wear suitable eye protection when working in production applications.
Other Protective:	None required.

9. Physical and Chemical Properties

Boiling Range:	NA
Vapor Density:	NA
Evaporation Rate:	NA
Solubility in Water:	Complete
Melting Point:	>1000 degrees F
Odor:	None
Specific Gravity:	NA
pH 1%	11.45-11.75
Appearance:	Blended white powder with granules of varying sizes
Flash Point:	NA

10. Reactivity

Stability:	Stable.
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong inorganic acids, strong oxidizers and reducing agents.
Conditions to Avoid:	MIX WITH WATER ONLY.
Hazardous Decomposition:	Incomplete combustion may yield carbon monoxide and soot. Burning can produce carbon monoxide, carbon dioxide, and oxides of phosphorous.

11. Toxicological Information

Reported Human Effects:	No human data are available
Reported Animal Effects:	See LD-50/LC-50 Studies on ingredients in section 3.

12. Ecological Information

No data are available on the adverse effects of this material on the environment. The manufacturer will fulfill all requests for any ecological data that is available on the various components of this product.

13. Disposal Considerations

Dispose of safely in accordance with applicable laws and regulations.

14. Transport Information

Proper Name:	Not regulated Full Circle™ Coffee Equipment Wash
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Hazardous Materials Identification System Rating (HMIS):

HEALTH	1	Slight Hazard
FLAMMABILITY	0	Minimal Hazard
REACTIVITY	0	Minimal Hazard
PERSONAL PROTECTION	B	Safety Glasses, Chemical Gloves

15. Regulatory Information

Inventory Status

United States (TSCA)	All ingredients are exempt from listing.
European Union (EINECS)	All ingredients are exempt from listing.
Regulation EC No 648/2004	The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Labeling EU

Hazard Symbol:	Xi Irritant
Product Contains:	Sodium carbonate, Sodium Citrate, Sodium Bicarbonate, Sodium Gluconate, Sodium coco-sulfate, Sodium Percarbonate and Alkylpolyglycoside.

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R-Sentences	
R36	Irritating to eyes.
R22	Harmful if swallowed.
S-Sentences	
S2	Keep out of the reach of children.
S22	Do not breathe dust.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46	If swallowed, seek medical advice immediately and show this container or label.

16. Other Information

This product is for sale and use by professional personal only.
 Keep out of reach of children. It is a violation of federal law to use this product in a manner inconsistent with its label.

Usage Guidelines:	<p>Commercial Espresso Machines: Back Flush (each group head)</p> <ol style="list-style-type: none"> 1. Insert blind filter and add up to 1/2 teaspoon (3 g) of Full Circle™ Wash. Insert porta-filter into group head. 2. Activate brew cycle for 10 seconds. Stop 10 seconds. Repeat 5 times. 3. Remove porta-filter. Activate brew cycle and rinse porta-filter in stream of water from group head. Stop cycle. 4. Insert porta-filter into group head. Repeat step (2) without Full Circle™ Wash to rinse. 5. Make and discard a shot of espresso. <p>Soak: Soak filters and metal of porta-filter for 30 minutes in 1 teaspoon (6 g) of Full Circle™ Wash per 32 oz. (1 L) of hot water. Rinse with potable water.</p> <p>Coffee Brewers:</p> <ol style="list-style-type: none"> 1. Empty coffee from equipment and sprinkle 1/2 teaspoon (3 g) of Full Circle™ Wash per 64 oz. (2 L) of brewer capacity directly into brew basket. 2. Run a full brew cycle into each vessel. Hold for 30 minutes. 3. Rinse with clean hot water. <p>Tip: Wet cloth with Full Circle™ Wash solution and wipe spray heads, then wipe clean. Caution: Solution may be very hot.</p>
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NOTE: The information in this MSDS is obtained from sources which are believed to be reliable. However, the accuracy or completeness thereof is not guaranteed. This information is furnished without warranty, expressed or implied. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Urnex Brands, Inc. assumes no liability for the loss and damage incurred from the proper or improper use of this product.