

MSDS: Puro Caff™ Liquid Dairy Cleaner (an Urnex® Brand product distributed by Puro Caff Group)
This MSDS was prepared in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2004

1. Product and Company Identification

Product Name:	Puro Caff™ Liquid Dairy Cleaner (an Urnex® Brand product)
General Use:	For cleaning and backflush of commercial espresso machines.
Product Description:	Clear Liquid
Manufacturer:	Urnex Brands, Inc. 170 Ludlow Street, Yonkers, NY 10705 USA Tel. 914-963-2042 Urnex Brands, Inc. 29 Harley Street, London, W1G 9QR, UK Tel. +44 020 7927 6881
Emergency Contact:	800-424-9300 (USA), 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)
Date Prepared	August 11, 2008

2. Hazards Identification

This product is classified as an irritant.

Emergency Overview:	Product is a non-hazardous clear liquid with surfactant odor.
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.

2. Composition/Information on Ingredients

Material	CAS#	LD-50-LC50 Mixture: LD50 (oral rat)
Sodium Hydroxide*	1310-73-2	1350 mg/kg
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆)	68424-85-1	>500 mg/kg
Octyl decyl dimethyl ammonium chloride	32426-11-2	>5000 – 15000
Diocetyl dimethyl ammonium chloride	5538-94-3	2800 mg/kg
Didecyl dimethyl ammonium chloride	7173-51-5	>50-500 mg/kg
Ethylenediaminetetraacetic acid	64-02-8	2700 mg/kg
Direct blue 86	1330-38-7	>5000 mg/kg

*Less than 2% as per UN Transport guidelines.

4. First Aid Measures

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

5. Fire Fighting Measures

Flash Point:	Non-flammable
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:	Contain spill and absorb with cloth or paper towel and discard in trash receptacle. 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.
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 directed.
Ventilation:	Use in a well ventilated area.
Respiratory:	Do not inhale. If product becomes airborne wear suitable face protection.
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.

MSDS: Puro Caff™ Liquid Dairy Cleaner (an Urnex® Brand product distributed by Puro Caff Group)
This MSDS was prepared in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2004

9. Physical and Chemical Properties

Boiling Range:	> 212 F
Vapor Density:	NA
Evaporation Rate:	NA
Solubility in Water:	Complete
Melting Point:	NA
Odor:	Slight surfactant odor
Specific Gravity:	1.068
PH 1% solution	11.5 – 12.0
Appearance:	Clear Liquid
Flash Point:	Non-Flammable

10. Reactivity

Stability:	Stable.
Hazardous Polymerization:	Will not occur
Incompatibility:	Strong inorganic acids, strong oxidizers and reducing agents.
Conditions to Avoid:	Strong acids, oxidizers, and reducing agents. DILUTE ONLY WITH WATER!
Hazardous Decomposition:	Incomplete combustion may yield carbon monoxide and soot. Burning can produce carbon monoxide, carbon dioxide, and oxides of phosphorus. This product and its ingredients are not considered to be a carcinogen by NTP, IARC, or OSHA.

11. Toxicological Information

Reported Human Effects:	No human data are available
Reported Animal Effects:	See LD-50/LC-50 Studies on ingredients in section 2.

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:	Puro Caff™ Liquid Dairy Cleaner
--------------	---------------------------------

Hazardous Materials Identification System Rating (HMIS):

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

15. Regulatory Information

Inventory Status

United States (TSCA)	All ingredients are on the inventory or are exempt from listing.
European Union (EINECS)	All ingredients are on the inventory or are exempt from listing.

Labeling

Hazard Symbol:	Xi Irritant
Product Contains:	Sodium Hydroxide
R-Sentences	
	R36/38 Irritating to eyes and skin.
	R22 Harmful if swallowed.
S-Sentences	
	S2 Keep out of the reach of children.
	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. **USE ONLY AS DIRECTED**
 Keep out of reach of children. It is a violation of federal law to use this product in a manner inconsistent with its label.

--	--

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,

MSDS: Puro Caff™ Liquid Dairy Cleaner (an Urnex® Brand product distributed by Puro Caff Group)

This MSDS was prepared in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2004

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.