

MSDS: Franke® Special Cleaner for Milk Systems (an Urnex® Brand product)

This MSDS was prepared in accordance to REACH 1907/2006/EC, Article 31

1. Product and Company Identification

Product Name:	Franke® Special Cleaner for Milk Systems (an Urnex® Brand product)
General Use:	For removal of milk build-up on frothing devices.
Product Description:	Clear blue liquid.
Manufacturer:	Urnex Brands, Inc. 170 Ludlow Street, Yonkers, NY 10705 USA Tel. 914-963-2042 Email: info@urnex.com
	Urnex Brands, Inc. 29 Harley Street, London, W1G 9QR, UK Tel. +44 020 7927 6881
Distributor:	Espresso Specialists, Inc. 5601 1 st Ave S, Seattle WA 98108 USA; Tel. 800-367-0235
Emergency Contact:	800-424-9300 (USA), 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)
Date Prepared	August 19, 2009

2. Hazards Identification

This product is classified as an irritant.

Emergency Overview:	Clear blue liquid. May cause burns to skin, eyes, gastrointestinal tract, and respiratory system.
Effects of Overexposure:	May cause skin and eye irritation. If ingested, may cause gastric irritation reaction.
Eye:	May cause irritation.
Skin:	Irritating to the skin.
Ingestion:	Irritating to the gastric tract.
Inhalation:	May cause irritation to throat and respiratory tract.

3. Composition/Information on Ingredients

Material	CAS#	LD-50-LC50 Mixture: LD50 (oral rat)
Phosphoric Acid	7664-38-2	1530 mg./kg.
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	405 mg./ kg.
Octyl decyl dimethyl ammonium chloride	32426-11-2	405 mg. / kg.
Dioctyl dimethyl ammonium chloride	5538-94-3	405 mg. / kg.
Didecyl dimethyl ammonium chloride	7173-51-5	405 mg. / kg.
Nonionic surfactant	9003-11-6	5800 mg/kg

4. First Aid Measures

Eye:	In case of contact, flush with water for at least 15 minutes. Seek medical attention.
Skin:	Flush thoroughly with water and seek medical attention if burns or irritation are present.
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:	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:	Sweep material into one area being careful not to allow disposal of the product. Flush remaining spill with large volume of cold water. Avoid excessive dispersment into air.
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 recommended.
Ventilation:	Use in a well ventilated area.
Respiratory:	Do not inhale. If product becomes airborne wear suitable face protection.
Protective Clothing:	None required under normal recommended usage.
Eye Protection:	Avoid contact with eyes. No eye protection required under normal recommended usage.
Other Protective:	None required.

9. Physical and Chemical Properties

Boiling Range:	100 °C
Vapor Density:	NA
Evaporation Rate:	NA
Solubility in Water:	Complete
Melting Point:	NA

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Odor:	Characteristic quaternary surfactant odor
Specific Gravity:	1.031
PH 1%	2.5 – 2.7
Appearance:	Clear blue liquid.
Flash Point:	Non- Flammable.

10. Reactivity

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Oxidizers and highly alkaline materials.
Conditions to Avoid:	Mix only with water. Avoid strong oxidizing agents like chlorine.
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:	Franke® Special Cleaner for Milk Systems
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Transport:	Not Regulated
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Hazardous Materials Identification System Rating (HMIS):

HEALTH	2	Moderate Hazard
FLAMMABILITY	1	Slight Hazard
REACTIVITY	1	Slight Hazard
PERSONAL PROTECTION	B	

15. Regulatory Information

Inventory Status

United States (TSCA)	All ingredients are either listed or exempt from listing.
European Union (EINECS)	All ingredients are either listed or exempt from listing.
Biodegradability (EU)	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 European Union

Hazard Symbol:	Xi Irritant
Product Contains:	Water, Phosphoric Acid, Quaternary Ammonium Compounds and nonionic surfactant
R-Sentences	
	R22 Harmful if swallowed.
	R36/38 Irritating to eyes and skin.
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.
	S28 After contact with skin, wash immediately with plenty of water.
	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. Do not mix with anything but water.

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, 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.