KYZEN
Where Science and Care Converge.

PRODUCT BULLETIN

KYZEN® DF-7

Sump Side Anti-Foaming Agent for Aqueous Cleaners

KYZEN DF-7 is a blend of ingredients specially chosen to be effective at reducing foam in aqueous cleaning systems at all temperatures. DF-7 is easy to use, and applied as received directly into the sump.

- **Used at all Temperatures**
- **Environmentally Friendly**
- **Applied as Received Directly into Sump**
- **Controls Foaming for Longer Periods**

PRODUCT PROPERTIES

pH (10g/L)	7.6
FLASH POINT	None to Boiling
BOILING POINT	212°F/100°C
WATER SOLUBLE	Not Soluble
VOC, @ 10%	16.2

TYPICAL PROCESSES

Sump-side add to aqueous batch cleaners.

- Usage range from
  1 to 4 oz per 100 gallons
  29.6 to 118.3 ml per 378.5 liters
  depending on your process needs.
- Process Optimization will be necessary. Please call your Kyzen Representative for assistance.

The above process parameters are recommendations based on extensive testing done in KYZEN's application lab. Your KYZEN sales representative can assist you in optimizing your process parameters.

STORAGE AND HANDLING

- Packaged in Polyethylene Containers
- Store at 5-50°C/41-122°F in Original Container
- Standard Chemical Handling Practices
- Shelf Life of 5 Years, in Sealed Containers of 5 gallons / 25 liters or more

AVAILABILITY

- 1 Gallon
- 5 Gallons
- 55 Gallons
- 5 Liters*
- 25 Liters*
- 208 Liters*

* Liters Available in South Asia and Europe

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ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS

KYZEN DF-7 is RoHs compliant and Halogen-free in accordance with RoHS Directive (EU) 2015/863 and EN 14582:2016. DF-7 has a negligible global warming potential, is not regulated as an Ozone Depleting Chemical in the United States and is not listed as a Hazardous Air Pollutant. Refer to the Safety Data Sheet for more information.

REACH ✓ KYZEN is an ISO 9001:2015 company.

COMPATIBILITY

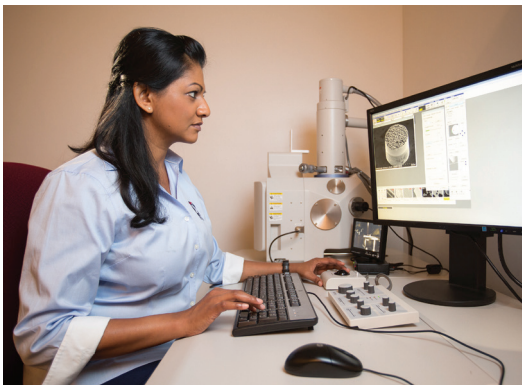
KYZEN DF-7 is compatible with all materials of construction used in industrial parts cleaning systems and processes. For specific compatibility information, please contact your KYZEN representative.

FREE CLEANING TRIALS AND PROCESS OPTIMIZATIONS

KYZEN will conduct complimentary trials at your factory or "risk-free" testing in one of our global Applications Laboratories in North America, Asia or Europe to ensure you achieve your goal. Increase your yields and product reliability by identifying and tuning the critical parameters of your cleaning process. With our commitment to science and understanding process, KYZEN has the flexibility to simulate and refine any cleaning process.

Each laboratory is fully equipped with an extensive array of cleaning and analytical equipment, including, but not limited to:

- *Batch Washers*
- *In-Line Washers*
- *Ultrasonic Systems*
- *SUI Systems*
- *Vapor Degreasers*
- *GC (TCD and FID)*
- *Scanning Electron Microscope (SEM)*
- *Ion Chromatography*
- *FTIR Spectrophotometer*
- *Humidity Chamber*
- *High Powered Microscopes*



Aqueous, Semi-Aqueous and Vapor Phase Chemistries • Process Evaluation and Optimization
Contract Cleaning • Cleanliness Testing • Soil Analysis

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