

PRODUCT BULLETIN

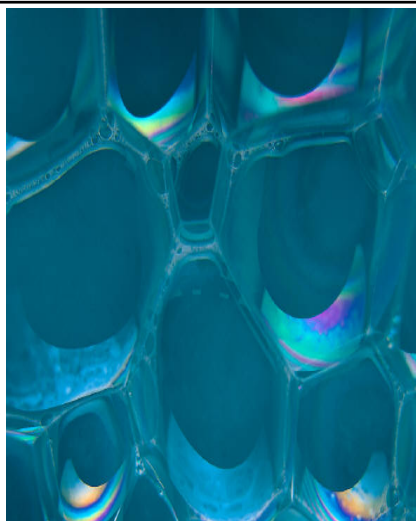
KYZEN DF-10

Sump-Side Anti-Foaming Agent for Aqueous Cleaners

FEATURES & BENEFITS

- MULTI-METAL SAFE
- WILL NOT INTERFERE WITH PAINTS OR COATINGS
- NO HAP'S
- NO CFC'S
- NO SARA 313'S
- NO PHOSPHATES
- NON-FLAMMABLE
- NON-CORROSIVE
- LOW USE COST
- WILL NOT CAUSE "FISH-EYES"
- COMPATIBLE AT ALL TEMPERATURES
- COMPATIBLE WITH MOST WASTE TREATMENTS
- EFFECTIVE AT LOW CONCENTRATIONS
- WON'T ADVERSELY AFFECT PAINT ADHESION

KYZEN DF-10 is an aqueous blend of ingredients specially chosen for optimum effectiveness at reducing foam at all temperatures in aqueous systems while being relatively people-safe and environmentally friendly. KYZEN DF-10 is easy to use; it may be applied as received directly into the sump at 1 to 4 ounces per 100 gallons of sump volume. Re-apply as needed for foam control. If desired a pre-mix may be made at 10:1 with water and applied topically with a spray bottle.



TYPICAL APPLICATIONS

- AQUANOX AQUEOUS CLEANERS
- METALNOX AQUEOUS CLEANERS
- MICRONOX AQUEOUS CLEANERS
- OPTISOLV AQUEOUS

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TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Opaque white liquid	pH 100%	5.5-8.5
Odor	Mild	pH 10%	5.5-8.5
Specific Gravity	1.01-1.03	VOC, 100%	66.3 g/L
Weight/gallon	8.45#	VP of VOC Comp.	<0.01 mmHg at 20 °C
Flash Point, °F/°C	None to boiling	Water Solubility	Miscible
Boiling Point, °F/°C	>212/>100		

SUGGESTED PROCESS PARAMETERS:

<u>Process Type</u>	<u>Concentration Range</u>
Spray; In-line	1-4 oz/100 gallons
Spray; Batch	1-4 oz/100 gallons
Immersion, Agitation	1-4 oz/100 gallons
Immersion, Soak	1-4 oz/100 gallons
Immersion, Ultrasonics	1-4 oz/100 gallons

The above conditions are meant to be starting ranges. Process parameters may be increased or decreased as needed depending on the specific conditions encountered at the account. Your Kyzen Sales Representative can assist you in optimizing your process parameters.

KYZEN DF-10

SUMP-SIDE ANTI-FOAMING AGENT FOR AQUEOUS CLEANERS

COMPATIBILITY:

KYZEN DF-10 is multi-metal safe for use in all KYZEN aqueous cleaners to reduce or eliminate foam. It is safe to use with the standard plastics and elastomers recommended for use with the cleaner and it is best used in polypropylene or stainless equipment.

HINTS FOR SUCCESSFUL USE:

- Effective at all-temperatures, KYZEN DF-10 does not rely on cloud point for de-foaming..
- Best results are obtained when the defoamer is applied topically at the source of the foam.
- Frequent additions may be needed for continuous foam control.
- Avoid over dosing. An excess amount of defoamer may cause foam.
- Use a spray bottle to apply topically if desired..
- Follow sump maintenance procedures routinely.

MAINTENANCE METHODS:

Kyzen DF-10 should be added topically as needed. Do not over-treat. Your Kyzen Representative can assist you with this.

ENVIRONMENTAL, HEALTH AND SAFETY:

KYZEN DF-10 is a non-flammable, non-corrosive biodegradable aqueous solution. It contains no CFC's or HAP's. Refer to the Material Safety Data Sheet for more information.

STORAGE AND HANDLING:

All ingredients in this product are TSCA listed. It is a non-flammable, non-corrosive liquid. Packaged in polyethylene containers, KYZEN DF-10, with the seal unbroken, has a suggested shelf-life of one year. Store out of direct sunlight at 40-100°F.

AVAILABILITY:

KYZEN DF-10 is available commercially in one (1) gallon, five (5) gallon and 55 gallon containers.

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