



Divo[®] MR

VB9

Heavy Duty Additive

Description

Divo[®] MR additive is a sequestrant-based liquid detergency booster and scale remover. This product is used across all food and beverage industries as a secondary additive for a wide range of applications including bottlewashing and clean-in-place (CIP).

Effective

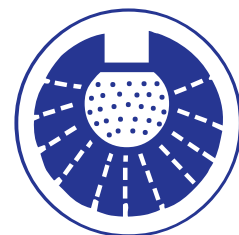
- Improves operational efficiency and effectiveness through inhibiting scale build-up and preventing nozzle blockage
- Improving cleaning performance by enhancing detergency
- Ensures product integrity and reduces reject rates by aiding in the removal of rust ring and labels in bottlewashing applications

Cost-Effective

- Suitable for automatic dosing and control
- Maintenance frequency, time and associated costs can also be reduced

Discussion

Divo[®] MR additive is a highly concentrated liquid booster that enhances detergency during cleaning operations and has excellent scale removing properties. It can be used for the removal of tenacious inorganic soils and scale. This product is highly effective at removing organic soils in bottlewashing applications. It is also suitable for the removal of calcium oxalate (beerstone) and calcium phosphate (milkstone) in brewing and dairy CIP applications.



Diverflow



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Use Instructions

Typical use concentrations are 0.08–0.8 % v/v depending on the application, soiling, scale and water hardness. Solutions containing product should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces. Divo[®] MR additive should always be added to the water before adding caustic to prevent water hardness deposition. This product is consumed by water hardness salts and scale. Free EDTA must be present to ensure effective performance and should therefore be monitored during use and additions made to maintain the required concentration where appropriate.

General Use:

1. Pre-rinse surfaces to remove loose soil.
2. Add Divo[®] MR additive to the alkaline cleaning solution to give a concentration of 0.25–0.8% v/v of the fluid solution.
3. Circulate or spray in the normal way, whenever possible maintain the temperature at 57–74°C (135–165°F). Where lower temperatures are used, increase the concentration.
4. Rinse with potable water and complete normal cleaning procedure.

Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear light yellow liquid
Scent	Musty
Specific Gravity	1.29
pH (1%)	11.3
% P	0.0
pH (neat)	11.5
% Free Alkalinity	4.6
% Total Alkalinity (as Na ₂ O)	9.3

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Divo[®] MR additive is safe for use on materials commonly found in the beverage and food industry when applied under the recommended conditions. In the event of uncertainty it is advisable to evaluate individual materials before any prolonged use.

Test Kit

No test kit needed

Precautionary Statement

Refer to current Safety Data Sheet.

Heavy Beerstone Removal:

1. The surfaces to be treated should be thoroughly cleaned by the normal cleaning procedure followed by a water rinse.
2. Prepare a solution of Divo[®] MR additive at 10–12% v/v.
3. Circulate or spray onto surfaces to be treated. Whenever possible maintain the temperature at 57–74°C (135–165°F). Where lower temperatures are used, increase concentration. Maintain the circulation for 1–3 hours.
4. Rinse well with potable water.

Egg Washing:

When washing very dirty eggs, reduce the detergent concentration by 25% and add Divo[®] MR additive at a rate of 4–8 mL/L (0.5–1.0 oz/US gal). For batch destaining, cool eggs to 21–27°C (70–80°F). Prepare a 62–78 mL/L (8–10 U.S. oz. / U.S. gal.) solution of Divo[®] MR additive in 37°C (100°F) water, and immerse eggs 2–5 minutes. Rinse eggs thoroughly with potable water, and wash and sanitize as recommended.