

Divergan® HM

Chemical name of active ingredient

Polyvinylimidazole/polyvinylpyrrolidone-copolymer

CAS-No. 87865-40-5

PRD-No.
30034975

Article

50345439 20 kg in re-sealable paper drums with polyethylene inliners.

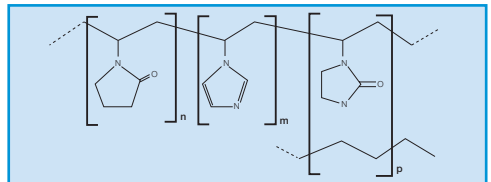
Country of origin

Germany

Description

Divergan® HM is a white to cream, slightly hygroscopic powder with a faint characteristic odor intended to be used as processing aid.

For metal reduction. It is produced from an aqueous solution by a special polymerization technique and is insoluble in water and all common solvents.



$(C_6H_9NO)_n$ N-vinyl-2-pyrrolidone

$(C_5H_6N_2)_m$ N-vinylimidazole

$(C_7H_{10}N_2O)_p$ N,N'-Divinylimidazolidin-2-one

Molar mass cannot be determined owing to the insolubility in all common organic solvents.

Specification

See separate document "Standard Specification (not for regulatory purposes)" available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Standards

Produced under HACCP standard.

Regulations

Divergan® HM is used as a processing aid (filtration). Specific regulations in the respective countries and for the intended use have to be observed.

Stability, Storage and Handling

The drums must be kept tightly sealed under dry conditions at ambient temperatures.

Application

Divergan® HM is an insoluble adsorber-resin with several salient features of outstanding significance in beer production:

1. The specific adsorption capacity for heavy metals, in particular copper, iron (but also e.g. aluminium, lead, arsenic and cadmium) prevents cloudiness in beer and leads to an improved flavour stability and profile.
2. Phenolic compounds adsorbed by Divergan® HM are 3,4-dihydroxycinnamic acid derivatives, which otherwise result in enzymatic and non-enzymatic reactions. The products of these reactions are responsible for undesirable flavour compounds in beer.
3. Divergan® HM is the innovative answer for metal reduction enhancing flavour stability in beer.

1. Preparation

Divergan® HM can be added as dry powder; alternatively, it can directly be added in form of an aqueous 10%age suspension. Prior to addition the suspension is allowed to swell for at least 30 minutes under constant stirring (ambient temperature).

2. Dosing and contact times

Divergan® HM is applied prior to filtration. A dosage of max. 50 g/hL below 20 °C is recommended. The addition to the bright beer tank prior to bottling for a longer time is not recommended.

A dosing rate of 20 – 50 g/hl of Divergan® HM is sufficient enough to achieve highest and best reduction rates in beer.

Removal

We recommend the removal of Divergan® HM either by filtration, or centrifugation. Divergan® HM can be disposed the common way without any environmental concerns.

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation.

NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.

June 2013