

### PRODUCT DATA SHEET

AMBERSEP 359 is an inert material used as a spacer resin in all Ambersep units (three-component mixed bed).

Its density and particle size are specifically designed to form an inert layer when backwashing an Ambersep unit composed for instance of :

- Macroreticular resins : AMBERSEP 252 H and AMBERSEP 900 OH or AMBERSEP 900 SO<sub>4</sub>,
- Gel type resins : AMBERJET 1500 H and AMBERJET 4200 Cl.

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### PROPERTIES

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|                                 |                        |
|---------------------------------|------------------------|
| Appearance _____                | White beads            |
| Matrix _____                    | Polyacrylic            |
| Moisture holding capacity _____ | 13 % maximum           |
| Shipping weight _____           | 45 lbs/ft <sup>3</sup> |
| Harmonic mean size _____        | 0.49 to 0.64 mm        |
| Uniformity coefficient _____    | 1.5 maximum            |
| Operating pH range _____        | 0 to 14                |
| Operating temperature _____     | 160 °F maximum         |
| Swelling _____                  | 0                      |

*Test methods are available on request.*

### LIMITS OF USE

AMBERSEP 359 is suitable for industrial used. For other specific applications such as *pharmaceutical, food processing or potable water applications*, it is

recommended that all potential users seek advice from Rohm and Haas Company in order to determine the best resin choice and optimum operating conditions.



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Ion exchange resins and polymeric adsorbents, as produced, contain by-products resulting from the manufacturing process. The user must determine the extent to which organic by-products must be removed for any particular use and establish techniques to assure that the appropriate level of purity is achieved for that use. The user must ensure compliance with all prudent safety standards and regulatory requirements governing the application. Except where specifically otherwise stated, Rohm and Haas Company does not recommend its ion exchange resins or polymeric adsorbents, as supplied, as being suitable or appropriately pure for any particular use. Consult your Rohm and Haas technical representative for further information. Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Nitric acid and other strong oxidising agents can cause explosive type reactions when mixed with Ion Exchange resins. Proper design of process equipment to prevent rapid buildup of pressure is necessary if use of an oxidising agent such as nitric acid is contemplated. Before using strong oxidising agents in contact with Ion Exchange Resins, consult sources knowledgeable in the handling of these materials.

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