



CHEM TECHNOLOGIES, LTD.

Beyond the obvious from innovation to application

14875 Bonner Drive, Middlefield, OH 44062

440.632.9311 Fax: 440.632.9578

Advancure

Hexamethylene Diamine Curative for Vamac®

Product Description / Advantages:

Advancure is a dispersion of hexamethylene diamine absorbed on amorphous silica in granular form. *Advancure* is based on patented curing technology from DuPont and is enhanced with an innovative dispersion technology from Chem Technologies. *Advancure* is a granular, dust-free solid that can be used to cure the majority of Vamac® products at a lower cost compared to traditional curing technologies.

Application / Recommendations:

Use *Advancure* HMDA (hexamethylene diamine) as a replacement for HMDC (hexamethylenediamine carbamate) types. Replace 1 phr of hexamethylenediamine carbamate with 1.5 phr of *Advancure*.

Active Ingredient:

Hexamethylene diamine, CAS# 124-09-4

Typical Properties:

<i>Activity</i>	<i>CAS #'s</i>	
Amorphous silica binder	34	112926-00-8
Water (HMDA carrier)	20	7732-18-5

Specification:

<i>Activity</i>	<i>Test Method</i>	
Hexamethylene diamine	46.5 – 50.5%	Active Ash

Appearance:

Form: Granular
Color: Off-white
Odor: Characteristic
Specific Gravity: 1.10

Packaging:

Standard packaging is 25 (+/- 1%) kilogram plastic drum. Customized preweighs and packaging are available.

Handling and storage:

Advancure is a corrosive material. Eye, skin, oral contact may cause burns and ulcerations. Inhalation may cause irritation with coughing and discomfort. Repeated exposure may cause target organ effects. Avoid all personal contact. Wash with soap and water thoroughly after handling. Flush with water for 15 minutes and consult a physician upon eye contact. Please refer to the MSDS for additional information.

Advancure must be stored in a cool, dry environment in original sealed packaging and away from acids and oxidizers. Avoid exposure to direct sunlight, flames, sparks, hot surfaces, static charges and other sources of ignition. Maintain regular stock rotational practices. Partially used containers should be kept closed to minimize exposure and avoid contamination. Under these conditions, the material has a shelf life of 12 months.

For Additional Information:

Chem Technologies, Ltd.
14875 Bonner Drive, Middlefield, OH 44062
Phone: 440-632-9311 Fax: 440-632-9578
Email: email@chemtechnologiesltd.com

The confidential information, data and formulations contained in this document are the property of Chem Technologies, Ltd. No guarantee as to the suitability or performance of the data contained in this presentation is made beyond the information contained herein.