

## BCA Dicy 1 - 1 Micron Dicyandiamide

### DESCRIPTION:

**BCA Dicy 1** is a pulverized grade of dicyandiamide with an average particle size of about 1 - 2 microns. The products contains fumed silica to prevent clumping and improve flow. Typically the product is used with epoxy resin between 3-8 phr. Due to extremely fine particle size, the products reacts more fully allowing a faster cure without sacrificing formulation shelf stability. BCA Dicy 1 can be used with accelerators to lower temperature of initiation. Suggested accelerators include BCA I80 Adduct, BCA I100 Adduct and substituted ureas such as BCA MDU, BCA PDU and BCA TDU. The type and loading level of an accelerator will provide excellent balance of low temperature reactivity and formulation shelf stability.

### ADVANTAGES:

- Long Formulation Shelf Stability
- High Glass Transition Temp.
- Can be used with an Accelerator
- Excellent Adhesion to a Variety of Substrates

### APPLICATIONS:

- One-Component Adhesives for Auto, Aerospace and Electronics Applications
- Composites such as Prepregs
- Powder Coatings

<b>TYPICAL PROPERTIES</b>	
<b>Appearance</b>	<i>White Micronized Powder</i>
<b>Assay (min.)</b>	99%
<b>Average Particle Size</b>	1 - 2 micron 90% < 5 micron
<b>Melting Point (°C)</b>	207 - 211
<b>Moisture Content (% max.)</b>	0.5
<b>Mix Ratio with Std. Epoxy Resin</b>	3 - 8 PHR

### STORAGE LIFE:

This product has a shelf life of one year from the date of manufacture when stored at ambient temperature in the original unopened container.



*Providing Solutions  
Through Technology*

### HANDLING PRECAUTIONS:

Please refer to the BCA Dicy 1 Safety Data Sheet.

While the data presented in this information sheet reflects the present state of our knowledge and is believed to be accurate and reliable, it is provided without liability as a courtesy only and is to be used and relied upon at the reader's sole risk. Readers should make their own determination as to the suitability of any product for a particular use. We recommend that readers conduct their own product trials before using any particular product. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties rights. The recommendations contained herein do not constitute a warranty, either express or implied, as to the fitness or suitability of any product for a particular purpose. For more information and assistance, please contact Technical Services at [BSI\\_regulatory\\_dept@brenntag.com](mailto:BSI_regulatory_dept@brenntag.com)

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