



December 15, 2005

**Addendum to Letter of August 2005:
Notification of Impurity Profile Change in Calcium Chloride Products**

- Item 1: The date for ending the bromide removal process, initially scheduled for December 31, 2005, has changed to December 31, 2006; please note the following important Items.
- Item 2: Variability in Technical Grade Products: The typical bromide impurity profile ("Bromide Profile") for technical grade products produced in 2006 is expected to be near historical norms; **however**, variability in the bromide level may occur over the course of 2006, possibly to the levels described in the August letter.
- Item 3: Food Grade Products: The typical Bromide Profile for food grade products produced in 2006 is expected to be near historical norms. The Bromide Profile for food grade products will undergo transition to elevated bromide levels in 2007.
- Item 4: In response to the August 2005 letter, The Dow Chemical Company ("TDCC") has received communication of customer concerns regarding elevated bromide level in calcium chloride used in certain water treatment applications such as, but not limited to, swimming pool and spa treatment. The primary concerns, unverified by TDCC, that have been expressed are:
1. Potential formation of disinfection by-products (DBP) resulting from exposure to oxidizing agents, such as chlorine bleach, hydrogen peroxide or ozone. The potential may exist for the concentration of DBP to be above levels considered safe for certain applications, such as, but not limited to, the established Maximum Contaminant Level of 10ppb bromate in drinking water in the United States.
 2. Potential for reaction of the bromide in disinfection situations involving chlorine-containing disinfectants. The bromide may potentially react with free chlorine to reduce the disinfecting capabilities of the system and/or result in false measurements of chlorine demand.
- Because of these concerns, and the potential for additional items of concern, as well as the diversity of end uses for calcium chloride products (including, without limitation, the diversity of water treatment applications), Customers are advised to carefully and independently investigate these concerns, and to evaluate any other potential impact of elevated bromide concentrations.
- Item 5: Except as expressly noted above, all other aspects of the August 2005 letter remains unchanged. As noted in the letter, each customer should independently review this change and evaluate how it may affect their specific situation. Also, much of the calcium chloride produced by TDCC is sold through distribution channels that may include two or more transfers in product ownership before delivery to the end user. When a distributor buys product direct from TDCC for resale, the distributor assumes all responsibility for properly notifying its customers of the change in impurity profile. It is the responsibility of each party receiving this notification to pass the information on to the appropriate personnel within its organization for review and possible follow-up. TDCC assumes no responsibility for any claims, losses, liabilities and expenses that may arise from any distributor's or customer's failure to follow through on these responsibilities.
- Item 6: For electronic copies of both this addendum and the original August 2005 letter, go to <http://www.dow.com/calcium/index.htm> and click on the News & Events link.

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