

December 11, 2007

To Whom It May Concern:

RE: Dimethyl Sulfoxide USP/Ph.Eur. Stability with Freezing

Based on extensive experience with dimethyl sulfoxide "DMSO" manufactured by Gaylord Chemical Company, L.L.C. and predecessor companies over the last 40 years, DMSO is a stable chemical. It is not affected by cycling between freezing and thawing conditions, as long as label directions are followed. These include precautions to thaw completely by placing containers in a warm room or warm water bath. The container may also require movement to mix and avoid stratification.

Laboratory testing conducted in ½ L and 4L amber glass bottles of dimethyl sulfoxide USP/ Ph.Eur. "USP DMSO" under controlled conditions demonstrated stability under temperature cycles. The lab testing confirmed stability testing done on HDPE drums of USP DMSO, as well our experience with Industrial DMSO drums showing that DMSO can be repeatedly frozen and thawed under real-life cycling between winter and summer conditions in our warehouse, while staying within analytical specifications.

Stability of the DMSO throughout the labeled retest or expiration period requires compliance with all labeled precautions. These also include store in light resistant containers; and keep tightly closed. Additionally, the requirements listed in the USP monograph for DMSO, including temperature limitations, such as avoiding high temperatures, must be met in order to assure the stability of USP DMSO throughout the product shelf-life or retest date.

Yours truly,

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