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April 11, 2022

RE: SealSafe® Shelf Life

To Whom It May Concern:

SealSafe® Self-Sealing Dosing Adapters are made from Thermoplastic Elastomers, which are synthetic products and generally have a very long shelf life. Under optimal conditions, these products can in theory be stored indefinitely, however, in practice there are multiple influences, which can lead to a reduced shelf life.

Such influences can include damage to the original packaging, contamination, or moisture absorption, exposure to noxious gasses, exposure to excessive heat, or exposure to excessive sunlight. Considering practical influences, it is possible to make some general recommendations on the shelf life of thermoplastic elastomers, providing the following conditions are met:

- The product must be sealed within the original packaging
- Relative humidity should be kept below 50%
- Exposure to temperatures below 0°C should be avoided
- Exposure to temperatures above 65°C should be avoided
- Exposure to direct sunlight should be avoided
- Products should be stored away from sources of heat and energy
- Exposure to exhaust fumes or other noxious gasses should be avoided

Under these conditions, Thermoplastic Elastomers are expected to maintain their original performance for at least 7-10 years. Products that are stored for longer than 7 years may still provide acceptable performance, but should be evaluated. It is suggested that the SealSafe® Self-Sealing Dosing Adapters should be tested for use with specific containers, liquids, and oral syringe tips to confirm fit and compatibility and to ensure optimal performance.

Sincerely,

A blue ink handwritten signature, appearing to read 'Bill Garles', is written over a long, thin horizontal line that extends across the width of the page.

Bill Garles
Quality Specialist, Andwin Scientific

6636 Variel Avenue, Woodland Hills, California 91303 • P.O. Box 689 Woodland Hills, California 91365
(818) 999-2828 • Fax: (818) 999-0111 • www.andwincorp.com • email: info@andwin.com

