



## TECHNICAL BULLETIN

### TAYSHEEN ULTRA

Silicone Emulsion

#### Characteristics:

TaySheen Ultra is a sixty percent (60%) silicone emulsion that has been designed for use in consumer products as a means of beautifying vinyl and rubber surfaces. This product can be easily formulated into a vinyl protectant or tire dressing formulation by the simple addition of water and small amounts of biocide. TaySheen Ultra will form a durable, shiny, water-repellent film that is resistant to water and detergent washings.

TaySheen Ultra has been especially designed to exhibit good shine durability under wet weather conditions and is suitable for both indoor and outdoor use.

#### Special Characteristics:

*	Low surface tension enabling better spreadability with uniformity in gloss without buffing.
*	Good gloss with durability to detergent and water washing.
*	Good foam knockdown properties resulting in less foam problems during manufacturing and filling operations.
*	Exhibits excellent wetting and does not require the use of additional surfactants or wetting agents to achieve a uniform coating.

#### Applications:

#### *Suggested Starting Formulations:*

The formulations listed below are for the purpose of illustration only. The formulator/user should investigate these formulations to determine their suitability in their intended use.

#### *Vinyl Conditioner:*

Ingredients	Parts By Weight
<b>Part A:</b>	
TaySheen Ultra	25.0
Water	75.0
<b>Part B:</b>	
Preservative	TBD
Perfume	TBD
<b>Procedure:</b>	
Combine the ingredients of Part A and mix until homogeneous. Add Part B and mix until uniform.	

Because we cannot foresee or control the varied conditions under which this information and materials may be used, we do not guarantee the applicability or accuracy of this information or the suitability of our materials in any specific situation. Samples are provided and users should make their own tests to determine the suitability of our materials for their specific purposes. This material is provided without warranty, either expressed or implied, of fitness for a specific purpose and nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending license under valid patents.

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**Tire Dressing:**

<b>Ingredients</b>	<b>Parts By Weight</b>
<b>Part A:</b>	
TaySheen Ultra	33.0
Water	67.0
<b>Part B:</b>	
Preservative	TBD
Perfume	TBD
<b>Procedure:</b>	
Combine the ingredients of Part A and mix until homogeneous. Add Part B and mix until uniform.	

TaySheen Ultra should not be used in conjunction with sodium nitrite or combined with other materials that are known to contain nitrite-containing materials. Avoid leaving containers open to the atmosphere for extended periods of time. Evaporation of water from the emulsion will cause a gelatinous skin to form on the surface of the emulsion. This skin should be removed prior to dilution or use.

Avoid the use of high shear pumps when transferring this material. High shear mixing should be avoided in formulations which are simple dilutions of TaySheen Ultra with water. Complex formulations, like car polishes, may require high shear agitation. In addition, a suitable preservative should be incorporated into all water-based formulations to help retard the growth of bacteria.

**Typical Properties:**

<b>Property</b>	<b>Characteristic</b>
<b>Appearance</b>	Milky- White
<b>Solids Content (%)</b>	61.5 To 65.5
<b>Viscosity, Centistokes, 25°C</b>	1,000 To 3,000
<b>Percent Actives</b>	60
<b>pH Value</b>	7.5 To 9.5
<b>Storage, Months</b>	Six (6)

Note: These figures are intended as a guide and should not be used in preparing specifications.

**Storage:**

This material should be kept closed and free from contamination. When stored under normal warehouse conditions, this fluid is expected to be stable for at least six (6) months in unopened containers.

The "best use before end" date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked for quality assurance reasons.

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**Safety Information:**

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. This information is available upon request from TayChem Industries, Ltd.

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