

# Enlist Duo™ Herbicide:

## *Supplement to Bulk Storage and Handling Guide*

This product-specific information supplements the Dow AgroSciences “Bulk Storage and Handling Guide”. Use these documents together to understand the requirements for a bulk storage facility of this product. The Bulk Storage and Handling Guide is available at [http://www.dowagro.com/stewardship/agchemicals/handling\\_guides.htm](http://www.dowagro.com/stewardship/agchemicals/handling_guides.htm)

<b>General Storage Comments</b>								
Enlist Duo herbicide handles well in bulk. Crystallization is not an issue, although there is a recommended minimum storage temperature. The product may be stored in poly and stainless steel.								
<b>Product Density vs. Temperature</b>								
Temperature °F ( °C )	20 (-7)	30 (-1)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)
Density (lb./gal.)	-	9.86	9.83	9.81	9.78	9.76	9.73	9.70
<b>Flash Point, NFPA Rating, Storage Temperature, and Signal Word</b>								
Flash Point 1 °F (°C)	NFPA 704 Diamond Ratings			Min. Storage Temperature* °F ( °C )	EPA Signal Word			
	Health	Flammability	Reactivity					
>212 (>100)	2	1	0	Recommended 40 F (4 C)	Warning			
*Formulation will freeze at temperatures below -4 F, but can be brought back into form with proper mixing of one to two tank turnovers.								
<b>Material / Product Compatibility</b>		<b>Rating</b>	<b>Comment</b>					
Stainless Steel		OK	Essentially non-corrosive.					
Aluminum		OK	Slightly corrosive.					
Buna-N, EPDM, Viton, Neoprene, Silicone Rubber, Delrin, Teflon		OK	Little to no effect.					
Polyethylene (Low and High Density, HMW), Polypropylene, Rigid PVC		OK	Little to no effect					
Hypalon Rubber		OK	Slight swelling					
Copper, Yellow Brass		No	Moderately to Severely corrosive					
Mild Steel		No	Severely corrosive. Never use for tanks.					
SBR Rubber, Nylon.		No	Swells moderately. Severe weight gain.					
<b>Bulk Tank Material of Construction and Requirements</b>								
Material of Construction	Stainless steel is preferred due to durability. Polyethylene is acceptable. Mild steel tanks are not allowed due to potential corrosion reaction. Aluminum exhibits slight corrosion (0.3-0.5 mil-inches per year in coupon tests).							
Venting Requirements	No special venting requirements.							
Couplers	Standard 2” Kamlok <sup>2</sup> Style Adapter with cap for receiving bulk deliveries.							
Mixing Requirement	Does not require mixing under normal storage, unless product freezes.							

<sup>1</sup> The flash point of a liquid is the minimum temperature at which it gives off sufficient vapor to form an ignitable mixture with the air near the surface of the liquid or within the test vessel used.

<sup>2</sup> Trademark of Civacon Corporation

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## Refillable Container Handling

DOT	This product is regulated by US Department of Transportation for certain volumes and modes. See the Transportation section of the MSDS. Containers must meet EPA requirements specified in the Pesticide Container & Containment Rule. See DAS bulk guide for additional general requirements.
Material of Construction	Polyethylene and Stainless steel refillable containers allowed. Mild steel tanks are not allowed.
Mixing	Does not require mixing under normal storage, but could be required if product freezes in tote.
Couplers	Standard connections are acceptable.

NOTICE: *The information, procedures, methods, and recommendations herein are presented in good faith and are believed to be accurate and reliable as of the publication date, but may well be incomplete and/or not applicable to all conditions or situations. No representation, guarantee, or warranty is made as to the accuracy, reliability, or completeness of said information, procedures, methods, and recommendations. Nor is any representation, guarantee, or warranty made that application or use of any of the same will avoid hazards, accidents, losses, damages, or injury of any kind to persons or property, or give desired results, or that the same will not infringe patents of Dow AgroSciences or others. Readers must satisfy themselves as to the suitability of said information, procedures, methods, and recommendations prior to use.*

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