

Surpass[®] NXT 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

General Storage Comments								
Surpass [®] NXT herbicide handles well in bulk.								
Product Density vs. Temperature								
Temperature °F (°C)	28 (-2)	30 (-1)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)
Density (lb./gal.)	9.34	9.33	9.30	9.26	9.21	9.18	9.14	9.11
Flash Point, NFPA Rating, Storage Temperature, and Signal Word								
Flash Point ¹ °F (°C)	NFPA 704 Diamond Ratings			Min. Storage Temperature °F (°C)		EPA Signal Word		
	Health	Flammability	Reactivity					
~257 (~125)	2	1	1	None, but see note.		Warning		
May form crystals if stored below minimum storage temperature or solvent is allowed to evaporate. If crystals form, circulate tank contents until crystals are dissolved.								
Material / Product Compatibility		Rating	Comment					
Stainless Steel, Heresite[™]-lined steel		OK						
High-density polyethylene (HDPE), Teflon[™] , polypropylene(PP), polyvinylidene difluoride (PVDF)		OK						
Aluminum		No						
Polyvinyl chloride (PVC)		No						
Mild Steel		No	Moderate corrosion due to water in formulation. Contact with mild steel may cause color change and reduce product's ability to emulsify with water.					
Bulk Tank Material of Construction and Requirements								
Material of Construction	Stainless steel is preferred. If state and local laws permit, existing polyethylene storage tanks may be utilized if the tank is free of cracks, UV degradation or other signs of aging or structural defects. Dow AgroSciences will not bear risk or liability associated with the use of polyethylene bulk tanks. Mild steel is not recommended.							
Venting Requirements	Normal bulk venting.							
Couplers	Standard 2" Kamlok ² Style Adapter with cap for receiving bulk deliveries.							
Mixing Requirement	Does not require mixing under normal storage.							

¹ 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.

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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. Use only refillable containers listed in Dow AgroSciences Description of Acceptable Containers.
Material of Construction	Stainless steel is preferred. Polyethylene refillable containers allowed. Mild steel tanks are not allowed due to potential for corrosion.
Mixing	This product does not require refillable containers to have circulation capability.
Couplers	Standard.

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