

# Dimension® 2EW 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/rc/steward/handling.htm>

<b>General Storage Comments</b>								
Dimension 2EW is an emulsion of dithiopyr in water. Keep the product above the minimum storage temperature.								
<b>Product Density vs. Temperature</b>								
Temperature °F ( °C )	20 (-7)	32 (0)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)
Density (lb./gal.)	solid	8.54	8.51	8.48	8.44	8.40	8.36	8.32
<b>Flash Point, NFPA Rating, Storage Temperature, and Signal Word</b>								
Flash Point °F (°C)	NFPA 704 Diamond Ratings			Min. Storage Temperature °F ( °C )		EPA Signal Word		
	Health	Flammability	Reactivity					
>212°F (>100°C)	2	1	0	45F (7°C)		Warning		
If the product temperature falls below 45°F, formation and settling of solids may occur within days. If this occurs, warm and circulate the product.								
<b>Material / Product Compatibility</b>		<b>Rating</b>	<b>Comment</b>					
Aluminum		OK	Slight corrosion to Al60601 and Al5052 in coupon tests.					
HDPE, UHMWPE, PET, Delrin, and PTFE		OK	Good resistance in coupon tests.					
Kalrez, Chemraz, Parofluor or other perfluoroelastomers.		OK	Preferred for o-rings or dynamic applications.					
Stainless steel, aluminum alloys.		OK	No corrosion in coupon tests.					
ABS		No	May disintegrate.					
Butyl, Nitrile, Neoprene, Viton, Hypalon, red rubber.		No	Will absorb product and swell.					
Polyurethane		No	May disintegrate.					
PVC, Tygon		No	Severe swelling and softening.					
Tin.		No	White solids produced, causing cloudiness, in coupon tests. Slight corrosion.					
Zinc.		No	Extensive solids precipitation in coupon tests. Mild corrosion.					
Copper, brass, bronze.		Caution.	Caused formulation to turn brown or darken in coupon tests. Trace or slight corrosion may occur.					
EPDM, Silicone.		Caution	May be suitable for static or trapped applications. Moderate softening or swelling may occur.					
LDPE, Polypropylene		Caution	May lose more tensile strength than HDPE or UHMWPE.					
Mild steel.		Caution	Moderate corrosion. Metal surface may blacken.					
Nylon 6/6		Caution	Swells moderately but loses significant tensile strength.					

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<b>Bulk Tank Material of Construction and Requirements</b>	
Material of Construction	Stainless steel preferred. Polyethylene allowed. HDPE recommended over LDPE.
Venting Requirements	Normal venting.
Couplers	Standard couplers allowed.
Mixing Requirement	A good circulation system is required. Circulate at least twice the tank volume once before the season. Off-season mixing is not required, however, mixing over-wintered material once in the Fall is good practice. Maintain product above minimum storage temperature. Mix product well again just before the season. Warm product to above 45°F before mixing. Pumps capable of high flow against pressure head are required.
<b>Refillable Container Handling</b>	
DOT / EPA	This product is regulated by US Department of Transportation for various modes of transport. See the MSDS. Container must meet EPA Pesticide Container and Containment Rule requirements. Use UN/DOT approved containers. See DAS bulk guide for additional general requirements.
Material of Construction	Stainless steel preferred. Polyethylene allowed. HDPE recommended over LDPE.
Mixing	Preferably, store in bulk tanks rather than refillable containers during the off-season. Maintain product above minimum storage temperature. Mix product well just before use. Warm product to above 45°F before mixing. Avoid allowing small heels of product to remain in portable containers.
Couplers	Standard couplers allowed.

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