

Dimension[®] 2EW Herbicide

Supplement to Bulk Storage and Handling Guide

This product-specific information supplements the Corteva Agriscience™ “Bulk Storage and Handling Guide”. Use these documents together to understand the requirements for a bulk storage facility of this product. To obtain additional copies of this Bulk Storage & Handling Guide, or this product-specific Supplement, see <https://BulkHandlingGuides.corteva.us> or contact your Corteva Territory Manager or Sales Representative.

General Storage Comments

Dimension 2EW is an emulsion of dithiopyr in water. Keep the product above the minimum storage temperature.

Product Density vs. Temperature

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

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		
>212 (>100)	2	1	0	45 (7)	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.

Material / Product Compatibility	Rating	Comment
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
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.

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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Bulk Tank Material of Construction and Requirements	
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.
Refillable Container Handling	
DOT / EPA	This product is regulated by US Department of Transportation for various modes of transport. Container must meet EPA Pesticide Container and Containment Rule requirements. Use UN/DOT approved containers. See Corteva bulk guide for additional general requirements
Material of Construction	Stainless steel is 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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