

Resicore® 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>

General Storage Comments

Resicore is a suspoemulsion type formulation that is an easily handled product and should be mixed at least once just prior to the use season. Monthly mixing is a recommended best practice during the time the product is not being applied. Resicore will freeze in low temperatures. Freezing will not hurt the product. Prior to mixing the tank for the first time after freezing make sure there are no visible ice crystals in the product. Ice crystals can damage the recirculation pump. When freezing, Resicore has shown little to no expansion properties, however, it is a best practice to allow head space in bulk tanks to allow for expansion and contraction.

Product Density vs. Temperature

Temperature °F (°C)	20 (-7)	30 (-1)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)
Density (lb./gal.)		9.15	9.13	9.11	9.10	9.06	9.03	9.01

Flash Point, NFPA Rating, Storage Temperature, and Signal Word

Flash Point °F (°C)	NFPA 704 Diamond Ratings			Min. Storage Temperature °F (°C)	EPA Signal Word
	Health	Flammability	Reactivity		
>212 (>100)	1	1	0	None. Product can Freeze	WARNING!

Material / Product Compatibility	Rating	Comment
Stainless Steel, Glass Lined Steel or Epoxy coated carbon steel	OK	Stainless Steel is preferred
Silicone rubber	OK	Preferred Elastomer
Polypropylene(High and Low Density), Teflon, Ultra High Molecular Weight Poly Propylene	OK	Good Resistance, High Density Polypropylene preferred.
Viton, SBR	Caution	May swell and soften moderately, may have a useful life for short time periods.
Mild Carbon Steel, Brass, Copper, Aluminum	No	Moderate to Severe corrosion due to the products low pH.
PVC, ABS, Acetal, and Nylon	No	Disintegrates, embrittles or stress cracks
Buna N, Neoprene, EPDM, and Hyplon	No	Severe swelling, softening or absorption

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Bulk Tank Material of Construction and Requirements

Material of Construction	Stainless Steel is preferred. If State and Local laws permit, existing poly storage tanks may be utilized if the tank is free of cracks, UV degradation or other signs of aging or structural defects for no more than one month. Dow AgroSciences will not bear risk or liability associated with the use of poly bulk tanks. Carbon Steel tanks are not recommended because of moderate corrosion to the tank and likely discoloration or phase separation of the product because of its low pH value. Aluminum tanks are prohibited.
Venting Requirements	Normal venting is recommended.
Couplers	Standard 2" Kamlok Style Adapter with cap for receiving bulk deliveries.
Mixing Requirement	Mix the bulk tank well after each delivery and just prior to the use season. At minimum, circulate at least 2.4 volumes of the tank to ensure mixing. Off-season mixing is not required, however, monthly mixing during the time the product is not frozen is highly recommended.
Piping and Rubber Tubing	Stainless Steel piping is the recommended standard. CRITICAL INFORMATION: The use of automotive style heater hose as a portion or all of the plumbing on a storage tank is strictly FORBIDDEN. If rubber tubing must be used as a portion of the plumbing, the rubber tubing MUST be lined with either Teflon or HDPE (high density polypropylene). When using lined tubing, extreme caution must be used to ensure the lining material fully contacts any metal tubing barbs. Failure to ensure the lining materials contact the metal fittings will result in a failure of the tubing at the fitting. All lined tubing used within a bulk system MUST be inspected prior to each use of the system to make sure the rubber hose has not swelled or softened from exposure to the product.

Refillable Container Handling

DOT / EPA	This product is not 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 DAS bulk guide for additional general requirements.
Material of Construction	Stainless Steel is preferred. Polyethylene is allowed. Dow AgroSciences will not bear risk or liability with the use of polyethylene bulk tanks. Inspect each polyethylene tank for cracks, discoloration, or signs of structural flaws prior to each use.
Mixing	Resicore should be mixed well just prior to the use season and the first use of the tank. Containers with built-in circulation are the best and are preferred. Over-the-top mixing may not be adequate to mix the bottom of the tank, which is the critical area. Where necessary, consider cascading product from the source container into a target container, preferably while circulating the target container with a built-in pump that has circulation. View the bottom of the source container to assure no residues are left behind.
Couplers	Standard couplers 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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