

Keystone® NXT 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

Keystone® NXT is a suspension of atrazine in acetochlor. A good circulation system is required. The product is thicker at cold temperatures, and a five-horsepower pump capable of developing strong head is highly recommended.

Product Density vs. Temperature

Temperature °F (°C)	26 (-3.5)	30 (-1)	40 (4)	50 (10)	60 (16)	70 (21)	80 (27)	90 (32)
Density (lb./gal.)	9.33	9.32	9.30	9.27	9.23	9.21	9.17	9.14

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		
>200 (>93)	2	1	1	50 (10)	Caution

Formulation contains water and will freeze, but has no history of problems upon thaw. Circulate product after thaw. Drain plumbing for protection against freeze damage.

Material / Product Compatibility	Rating	Comment
Stainless Steel, Herestie™- 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.

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.

Keystone® NXT Herbicide

Supplement to Bulk Storage and Handling Guide

Bulk Tank Material of Construction and Requirements

Material of Construction	Stainless steel is preferred. Do not use mild steel or aluminum tanks. Mild steel tanks are not allowed due to aqueous product corrosion. 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. Corteva Agriscience will not bear risk or liability associated with the use of polyethylene bulk tanks.
Venting Requirements	Self-closing PVRV Required on this product to minimize moisture loss from the formulation, avoiding any surface “skinning” or formulation evaporation.
Couplers	Standard 2” Kamlok Style for receiving bulk deliveries.
Mixing Requirement	Keystone® NXT is a suspension of atrazine in acetochlor. 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 just before temperature drops below 50 °F is good practice. Mix product well again just before the season, or when product temperature reaches 50 °F. 5 Hp motors are recommended. Pumps capable of high flow against pressure head are required. Mixing at colder temperatures will do no harm, but will be more difficult due to increased viscosity.
	Three horsepower pump motors as a are required; however, five horsepower motors are highly Pump recommended. A double mechanical seal pump is recommended for products with suspended solids to extend seal life. Double mechanical seals are recommended, but not required for other products.

Refillable Container Handling

DOT / EPA	Not regulated by US Department of Transportation; however, containers must meet EPA requirements specified in the Pesticide Container & Containment Rule.
Material of Construction	Stainless steel is preferred. Polyethylene refillable containers allowed. Mild steel tanks are not allowed due to potential for corrosion.
Mixing	Circulate tank contents at least twice the tank volume once before the season if product was stored for several months or more. Although these are suspension formulations, they show superior resistance to stratification or viscosity changes. In-season or off-season mixing is not required.
Couplers	Standard couplers.

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, DuPont or Pioneer and their affiliated companies. Readers must satisfy themselves as to the suitability of said information, procedures, methods, and recommendations prior to use.

Trademark of Dow AgroSciences, DuPont or Pioneer and their affiliated companies or respective owners.

Keystone® NXT is a Restricted Use Pesticide. Keystone NXT is not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state.

Rev. 08/2020



Keystone® NXT Herbicide
Supplement to Bulk Storage and Handling Guide