

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 BulkHandlingGuides.corteva.us or contact your Corteva Territory Manager or Sales Representative.

General Storage and Mixing

Enlist One® herbicide handles well in bulk. However, some separate of the oil layer may occur if product is left in tank unattended (without agitation or dispensing) for several months. Product should be mixed before dispensing after overwintering in the tank. If freezing occurred, product comes back into solution easy with mixing (or thawing). Recirculate at least 4 volumes of the tank to ensure good mixing. If a tank is not emptied of Enlist One before new Enlist One is added to the tank, mixing should be completed to form a homogeneous solution. A jet nozzle in the tank is recommended to enable good mixing of the Enlist One. The jet nozzle should point up to promote mixing of the top layer. Monthly recirculation is a best practice for product stored in bulk tanks.

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)	-	10.085	10.056	10.027	9.998	9.968	9.937	9.906

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)	1	1	0	No Minimum*	Warning!

* Formulation will start to freeze at temperatures below 22°F and will totally freeze at 12°F. Mixing should be completed after product thaws in spring to ensure a homogeneous mixture.

Material / Product Compatibility	Rating	Comment
Stainless Steel	OK	Essentially non-corrosive
Aluminum	OK	Essentially non-corrosive
Buna-N, EPDM, Neoprene, SBR, Hypalon, Graphite	NO	Swell and loss of strength are observed
Viton, Silicone, Teflon	OK	Little to no effect
HDPE, LDPE, Polypropylene, Rigid PVC	OK	Little to no effect
Copper, Carbon steel (1018)	NO	Moderately corrosive
Brass CDA260	OK	Little to no effect

¹The 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.

Bulk Tank Material of Construction and Requirements

Material of Construction	Stainless Steel is preferred due to durability. Polyethylene is acceptable. Mild steel (carbon) is not allowed due to potential corrosion.
Venting Requirement	No special venting requirements.
Couplers	Standard 2" adapters with cap for receiving bulk deliveries.
Mixing Requirement	Mixing is a recommended best practice during the time the product is not being dispensed. Recirculate at least 4 volumes of the tank. Prior to adding new product in tank with existing leftover product, thoroughly mix tank contents (at least one hour). If product overwinters in tank, mixing is necessary before dispensing.

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 Agriscience bulk storage and handling guide at Bulk Storage and Handling Guides Corteva Agriscience™ for additional general requirements.
Material of Construction	Polyethylene and stainless-steel refillable containers allowed. Mild steel (carbon) tanks are not allowed.
Mixing	No mixing is necessary if product is used during the season. Mixing is required if product freezes. To complete the re-mixing, warm the product above 40°F and mix with pump recirculation or portable agitator for more than 15 minutes to form a homogeneous solution.
Couplers	Standard connections are acceptable.

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