

ForeFront® HL 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

ForeFront HL herbicide is a combination of aminopyralid and 2,4-D. It handles well in bulk. The product requires no special mixing; has no restrictions related to flash point, and is compatible with most common materials of construction.

CAUTION: Eye contact may cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Read the label and MSDS for more information.

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.)		9.94	9.91	9.88	9.85	9.82	9.79	9.76

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)	1	1	0	None Reported	Danger

Material / Product Compatibility	Rating	Comment
Stainless Steel	OK	Essentially non-corrosive
Mild Steel	OK	Trace of corrosion
Buna-N, Neoprene, EPDM, Teflon	OK	Little to no effect
Polyethylene (Cross-linked, Low & High Density, HMW), Polypropylene, Rigid PVC	OK	Little to no effect
Silicone Rubber, Viton, Nylon 6/6	OK	Swells slightly
Plasticized PVC	Caution	Shrinks moderately
Aluminum, Copper, Yellow Brass	Caution	Slightly corrosive
Vellumoid	NO	Swells moderately. Severe weight gain
Tin, Zinc	NO	Moderate to severe corrosion

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 is preferred. 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 will not bear risk or liability associated with the use of polyethylene bulk tanks.
Venting Requirements	No special venting requirements.
Couplers	Standard 2" Kamlok Style Adapter with cap for receiving bulk deliveries.
Mixing Requirement	Does not require mixing under normal storage.

Refillable Container Handling

DOT / EPA	This product is regulated by US Department of Transportation for certain volumes and modes. See the Transportation section of the MSDS. Use only UN/DOT approved containers.
Material of Construction	Stainless steel or polyethylene. Fluorination is not required.
Mixing	Does require mixing under normal storage.
Couplers	Standard couplers.

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