

Tordon® 22K 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

Tordon® 22K herbicide is a picloram potassium salt mixture. It handles well in bulk, but has a flash point of 190°F and is therefore subject to fire codes for combustible liquids. Indoor tanks must have an emergency venting capability, and both emergency and normal vents must be piped to outside if the tank is indoors. All tanks must be non-combustible, i.e. not poly.

Product Density vs. Temperature

Temperature °F (°C)	32 (0)	39 (4)	46 (8)	54 (12)	61 (16)	68 (20)	75 (24)	82 (28)
Density (lb./gal.)	9.69	9.68	9.67	9.65	9.64	9.62	9.61	9.59

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		
190 (88)	1	2	0	40 (4)	Caution

Material / Product Compatibility	Rating	Comment
Stainless Steel	OK	Essentially non-corrosive.
Tin, Zinc	OK	Mild 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	Swells slightly.
Aluminum, Copper, Yellow Brass	Caution	Slightly corrosive.
Vellumoid	NO	Severe swelling and weight gain.
Mild Steel	NO	Significant 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. Mild steel tanks are not allowed due to corrosion. Polyethylene bulk tanks are not allowed due to National Fire Protection Association Code 30 "Flammable and Combustible Liquids Code". Aluminum is acceptable. Epoxy / phenolic lined mild steel is allowed. Do not use unlined mild steel.
Venting Requirements	Self-closing ERV capability and PVRV required due to flash point. Indoor tanks must have ERV and PVRV piped to outside the building.
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	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.
Mixing	Does not require mixing under normal storage.
Couplers	No specific requirements.

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