

Rezuvant[®]

Arylex™ active

HERBICIDE

Supplement to Bulk Storage and Handling Guide

General Storage Comments

Rezuvant[®] herbicide has easy handling characteristics. Periodic tank turnover is not necessary for this product, but after each delivery and prior to the use season is good practice. Due to its flash point of 176°F, it is 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. no poly tank).

Product Density vs. Temperature

Temperature °F	26.6	32	37.4	41	50.0	59	68.1	77	86
Density (lb/gal)	8.326	8.309	8.285	8.272	8.237	8.205	8.172	8.141	8.111

Rezuvant could get viscous but remains flowable under extreme cold temperature. On warming, it becomes more flowable without phase separation however, mixing the product after it becomes more flowable is a good practice.

Flash Point, NFPA Rating, Storage Temperature and Signal Word

Flash Point ¹ °F	NFPA 704 Diamond Ratings			Min. Storage Temperature °F	EPA Signal Word
	Health	Flammability	Reactivity		
> 176	2	2	0	See note ²	Danger

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.

Material / Product Compatibility	Rating	Comment
Viton and Santoprene	OK	Preferred elastomers
Carbon Steel, Aluminum (5052 and 6061) and Stainless Steel (304 and 316)	OK	Preferred tank materials
HDPE (High-density polyethylene), Acetal, Teflon and Nylon	OK	Preferred plastic materials for pipe and others. Do not use these plastics as tank materials.
UHMW (Ultra-high-molecular-weight polyethylen ²) and Poly Propylene	Caution	Slight absorption is expected
Buna-N, Neoprene, SBR, EPDM, Hypalon, Silicone Rubber and Viton	No	Absorption, and swelling are expected. Severe material softening is expected. Not recommended.
Copper (CDA122) and Brass (CDA 260)	No	Severely corrosion is expected. Not recommended.
LDPE (Low-density polyethylene), Black ABS and PVC	No	Material deterioration and softening and are expected. Not recommended

Bulk Tank Material of Construction and Requirements

Material of Construction	Stainless steel is preferred. Aluminum tanks are acceptable. Polyethylene bulk tanks are not allowed due to National Fire Protection Association Code 30 "Flammable and Combustible Liquids Code".
Venting Requirements	Self-closing Emergency Relief Vent (ERV) capability and pressure relief valves (PRV) required due to flash point. Indoor tanks must have ERV and PRV piped to outside the building.
Couplers	Standard 2" Kamlok Style Adapter with cap for receiving bulk deliveries.
Mixing Requirement	Mix the bulk tank well after each delivery and prior to the use season. At minimum, circulate at least twice the tank volume. Off-season mixing is not required, however, mixing monthly is a good practice.

Refillable Container Handling

DOT	Regulated as a hazardous material by the U.S. Department of Transportation in package sizes greater than 2031 L. Containers over this size must meet DOT packaging requirements for a UN3082, Packing Group III, material, in addition to the EPA Pesticide Container and Containment Rules.
Material of Construction	Stainless steel is preferred. High-density polyethylene refillable container is allowed.
Mixing ²	Rezuvant turnover/recirculation is not necessary. However, it is good practice to turn the product over at least twice of the tank volume especially when the product has been stored in below 20 °F. Off-season mixing is not required, however mixing monthly is a good practice. Before recirculating the product, allow the product to warm for making it flowable
Couplers	Standard couplers are acceptable.

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