

# Duramax® and Durango® DMA™ Herbicides

## 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

Duramax and Durango DMA herbicides handle well in bulk. Crystallization is not an issue, although there is a recommended minimum storage temperature. The product may be stored in poly and stainless steel.

### 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.)  |         | 10.24   | 10.22  | 10.19   | 10.17   | 10.15   | 10.12   |         |

### Flash Point, NFPA Rating, Storage Temperature, and Signal Word

| Flash Point <sup>1</sup><br>°F (°C) | NFPA 704 Diamond Ratings |              |            | Min. Storage Temperature<br>°F (°C) | EPA Signal Word |
|-------------------------------------|--------------------------|--------------|------------|-------------------------------------|-----------------|
|                                     | Health                   | Flammability | Reactivity |                                     |                 |
| >200 (>93)                          | 1                        | 1            | 0          | -40 (-40)                           | Caution         |

\*Formulation will get viscous but did not solidify in tests down to this minimum storage temperature.

| Material / Product Compatibility                                                                                  | Rating     | Comment                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Stainless Steel                                                                                                   | OK         | Essentially non-corrosive                                                                                                            |
| Aluminum, Copper, Yellow Brass, Bronze                                                                            | OK         | Slightly corrosive                                                                                                                   |
| Buna-N, EPDM, Viton, Neoprene, Butyl Rubber, SBR Rubber, Silicone Rubber, Nylon 6/6, Delrin, Polyurethane, Teflon | OK         | Little to no effect                                                                                                                  |
| Polyethylene (Low & High Density, HMW), Polypropylene, Rigid PVC                                                  | OK         | Little to no effect                                                                                                                  |
| Plasticized PVS, Lexan                                                                                            | OK         | Slight shrinking                                                                                                                     |
| Hypalon Rubber                                                                                                    | OK         | Slight swelling                                                                                                                      |
| Tin, Galvanized, Zinc                                                                                             | No         | Moderately to severe corrosive                                                                                                       |
| Mild Steel                                                                                                        | No/Caution | Corrosive. May form hydrogen gas and solid deposits. Never use for tanks. Use extreme caution in other limited exposure applications |
| Vellumoid                                                                                                         | No         | Swells moderately. Severe weight gain                                                                                                |

<sup>1</sup> 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 due to durability. Polyethylene is acceptable.<br>Mild steel tanks are not allowed due to potential corrosion reaction that may produce hydrogen gas.<br>Aluminum exhibits slight corrosion (0.3-0.5 mil-inches per year in coupon tests) but could be used if monitored regularly. |
| 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                | 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. Product or spray dilutions of it may react with the container to produce hydrogen gas. |
| Mixing                   | Does not require mixing under normal storage.                                                                                                                                                      |
| Couplers                 | Standard connections are acceptable.                                                                                                                                                               |

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