

## PRODUCT HANDLING & STORAGE GUIDE

# VELSIFLEX<sup>®</sup> Dibenzoate Plasticizers

(Velsiflex<sup>®</sup> 290, 314, 318, 320, 328, 332, 342, 342S)



Version 4, Revision 06/06/2022

### VELSIFLEX<sup>®</sup> Dibenzoate Plasticizer Products

#### SAFE HANDLING, STORAGE & TRANSFER GUIDELINES

*These guidelines are intended to provide information for the safe handling, storage and transfer of Velsiflex<sup>®</sup> Dibenzoate Plasticizers. As each operation is different, customers should evaluate their specific operations on an individual basis while at the same time taking into consideration local, state and national regulations regarding storage and handling. For further information, please contact Velsicol Chemical LLC's customer service line.*

#### SAFE HANDLING

All personnel that handle or work with Velsiflex<sup>®</sup> plasticizers should wear standard personal protective equipment including safety glasses or goggles, long sleeve shirts and gloves that are plasticizer resistant. An eye wash and safety shower station should be located in close proximity to the work area. For first aid and spill procedures, consult each individual product's SDS.

#### STORAGE & TRANSFER

Velsiflex<sup>®</sup> dibenzoate plasticizers can be shipped to customers in unlined carbon steel drums, HDPE IBCs, stainless steel isotanks or stainless steel trucks.

Store all Velsiflex<sup>®</sup> dibenzoate plasticizers away from excessive heat, sources of ignition and other non-compatible materials. Indoor storage areas should be equipped with appropriate fire prevention measures in place.

Carbon steel, 316 SS or 304 SS are acceptable materials of construction for all storage vessels, pumps, piping, valves and filters, etc. Fawn Gylon or Teflon envelope gaskets are recommended. Centrifugal pumps with a mechanical seal or mag drive pumps can be used. At temperatures below 30C (86F), positive displacement pumps are recommended. Storage tanks should be nitrogen padded and the tank should be equipped with a conservation vent. Recommended storage temperature is 24-38C (75-100F).

**55 Gallon Drums:** Unlined carbon steel drums can be used for shipping. The drum bungs should be kept tightly secured until the product is used to prevent moisture from entering the drum which could affect product quality.

**275 Gallon IBCs:** IBCs constructed of HDPE supported in a metal cage are suitable for shipping. The IBCs top opening should be kept tightly secured until the product is used to prevent moisture from entering the drum which could affect product quality.

**Isotanks:** Isotanks are made from 316 stainless steel and are supported in a heavy gauge carbon steel frame. The tanks are generally used for ocean shipment. Isotanks can be unloaded either by utilization of an unloading pump or by direct nitrogen pressure depending on the valve configuration of the tank. Ensure the tank is equipped with a pressure relief device. Do not apply more pressure than the device is rated for during the unloading process.

**Trailers:** Trailers are made from 316 stainless steel. Trailers can be unloaded either by utilization of an unloading pump or by direct nitrogen pressure depending on the valve configuration of the tank. Ensure the tank is equipped with a pressure relief device. Do not apply more pressure than the device is rated for during the unloading process.

The information in this data sheet is, to the best of our knowledge, true and accurate. The representations about the product are based upon test results achieved under laboratory practices supervised and controlled by Velsicol Chemical LLC. Since formulations, preparation or conditions of use may vary, Velsicol is unable to guarantee the same performance as indicated.

Nothing contained herein shall constitute a guarantee or warranty with respect to the product or its uses, nor does Velsicol assume any liability therefore. The user is responsible for determination of suitability of any material or practice for a specific purpose and for adoption of such safety precautions as may be necessary. A Material Safety Data Sheet is available for this product. Users of this product are urged to study and use the information in the Material Safety Data Sheet. Velsicol does not warrant against infringement of any patent which might arise by the use of Velsicol's product in any combination with other products or arising in the operation of any process.

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