

# Low 1,4-Dioxane Solutions

BASF Home Care and I&I Solutions

December 2023



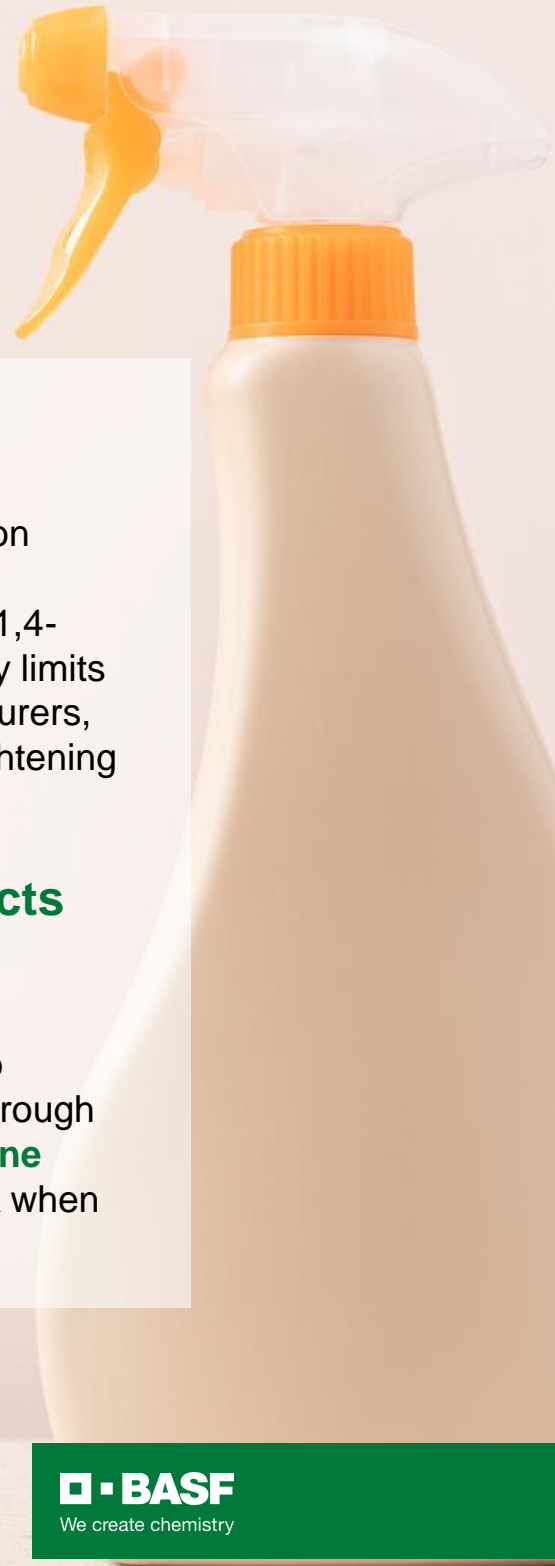
 **BASF**

We create chemistry



## Why work with BASF?

- Extensive product catalog, spanning various functional capabilities
- Local production sites across the US to support business continuity
- Low ( $\leq 2$  ppm) 1,4-dioxane containing products to allow formulators to meet regulatory requirements
- Extensive distribution network to support product supply needs
- Access to alkoxylation experts to meet technical and formulation needs



## Growing momentum to limit 1,4-dioxane

With concerns of chemicals in waterways and their impact on human and ecological health, US Environmental Protection Agency (US EPA) and many states are assessing risk that 1,4-dioxane poses to environmental systems. Stricter regulatory limits on 1,4-dioxane levels increase costs to detergent manufacturers, which must now clean their formulations to keep up with tightening limits.

## Empowering formulators to develop products of tomorrow

BASF uses its extensive product and industry knowledge to support brand formulators and their innovative products. Through use of **our locally manufactured, low ( $\leq 2$  ppm) 1,4-dioxane solutions listed below**, formulators can reduce guesswork when developing cleaning solutions

# Free of 1,4-Dioxane

*Based on our current knowledge of our raw materials, local production process, and equipment used, the products are not expected to contain 1,4-dioxane. Limits are based on NA production only.*

Product Family	Product Functions
Bverde®	Polymers
Euperlan®	Opacifiers
Glucopon®	Alkyl Polyglucosides (APG) non-ionic surfactants
Lavergy®	Enzymes
Lutropur®	Acids
Polyquart®	Polymers
Rheovis®	Thickening Agents
Tinopal®	Optical Brighteners
Trilon®	Chelating Agents



## ≤1 ppm 1,4-Dioxane

Based on our current knowledge of our raw materials, local production process, and equipment used, the products are expected to have ≤1 ppm 1,4-Dioxane. Limits are based on NA production only.

Product Family	Product Functions
Dehypound®	Specialty surfactants
Pluriol®	Polymers
Pluronic®	Low-foam non-ionic surfactants
Sokalan®	Polymers

## ≤2 ppm 1,4-Dioxane

Based on our current knowledge of our raw materials, local production process, and equipment used, the products are expected to have ≤2 ppm 1,4-Dioxane. Limits are based on NA production only.

Product Family	Product Functions
Dehypon®	Low-foam non-ionic surfactants
Lutensol®	Non-ionic surfactants
Plurafac®	Low-foam non-ionic surfactants
Tetronic®	Low-foam non-ionic surfactants

## Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale.

## Safety

We know of no ill effects that could have resulted from using our products for the purpose for which they are intended and from processing them in accordance with current practice. According to the experience we have gained up to now and other information at our disposal, our products do not exert any harmful effects on health; provided, that they are used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our safety data sheet are observed.

## Labeling

Details about the classification and labeling of our products and further advice on safe handling are contained in the current safety data sheets.

® = Registered Trademark of BASF in many countries

TM = Trademark of BASF

BASF CORPORATION  
07932 Florham Park, NJ  
USA  
Phone : 1 973 245 6000  
Fax : 1 973 245 600