

# Benzenesulfonamide, N-butyl-

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This document provides a brief description of benzenesulfonamide, n-butyl-, its uses, and the potential hazards associated with short and long term exposure. Environmental impact information for accidental releases is included. This information is general in nature and is not intended as a replacement for the material safety data sheet (SDS), product label and other safe handling literature. For additional information consult the LANXESS Corporation material safety data sheet.

## Identification

<b>Product Name:</b>	Uniplex 214
<b>Chemical Name:</b>	Benzenesulfonamide, n-butyl-
<b>Synonym(s):</b>	BM 4 (sulfonamide) Benzenesulfonic acid butyl amide N-n-Butylbenzenesulfonamide
<b>CAS Number:</b>	3622-84-2

## Description

<b>Overview:</b>	Benzenesulfonamide, n-butyl- is an oily, odorless, colorless liquid at ambient temperatures.	
<b>Uses:</b>	Benzenesulfonamide, n-butyl- is sold by LANXESS for use as a plasticizer in the production of nylon, polycarbonates and other polymer products.	
<b>Properties:</b>	<b>Boiling Point:</b>	314 °C (597.2°F)
	<b>Flash Point:</b>	>200°C (>392°F) open cup
	<b>Solubility in Water:</b>	Slight
	<b>Auto-ignition:</b>	>300°C (>572°F)

## **Potential Human Health Effects**

### **Occupational Exposure**

Potential for occupational exposure exists during manufacture, at bulk unloading, storage and staging areas and in operations where the chemical is used as a plasticizer in the manufacture of other products. A much lower potential for exposure exists in facilities using benzenesulfonamide, n-butyl- in closed manufacturing processes by trained personnel.

### **Employee Training**

Workers handling benzenesulfonamide, n-butyl- should be trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. Adequate ventilation should be provided to maintain airborne concentrations below recommended exposure limits. A NIOSH approved, air-purifying organic vapor respirator is recommended when ventilation is insufficient or airborne concentrations are unknown. In addition, LANXESS recommends that splash goggles, permeation resistant gloves, long pants, long-sleeve shirts and suitable foot protection be worn when handling benzenesulfonamide, n-butyl-.

### **Consumer Exposure**

LANXESS Corporation does not sell benzenesulfonamide, n-butyl- to the general public.

### **Short-Term Health Effects**

Ingestion or inhalation of benzenesulfonamide, n-butyl- may cause central nervous system depression, with symptoms of headache, dizziness, lack of coordination, numbness and/or confusion.

### **Long-Term Health Effects**

Prolonged or repeated exposure to benzenesulfonamide, n-butyl- may cause liver damage. Reduced fertility may occur, based on animal data.

## **Physical Hazards**

Benzenesulfonamide, n-butyl- is stable under normal conditions of use. Avoid contact with strong oxidizing agents and strong acids. Containers may burst if heated or pressurized. Heating to decomposition may release carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides. Avoid heat, open flames and other potential sources of ignition.

## **Potential Environmental Impact**

Benzenesulfonamide, n-butyl- is not readily biodegradable. An accidental release to water may pose a danger to fish (low toxicity), invertebrates (low toxicity) and aquatic plants (low toxicity) prior to degradation. Benzenesulfonamide, n-butyl- is not expected to accumulate in the environment.

## **Conclusion**

Under normal conditions of anticipated use as described in this Product Safety Assessment, and if the recommended safe use and handling procedures are followed, benzenesulfonamide, n-butyl- is not expected to pose a significant risk to human health or the environment.

## **References**

**Material Safety Data Sheet (SDS), UNIPLEX 214**, LANXESS Corporation

**MedlinePlus Medical Encyclopedia**, U.S. National Library of Medicine and the National Institutes of Health

**ToxNet Hazardous Substance Data Bank**, U.S. National Library of Medicine, National Institutes of Health and the U.S. Department of Health and Human Services

## **Contact Information**

LANXESS Corporation, Product Safety & Regulatory Affairs, 111 RIDC Park West Drive, Pittsburgh, PA 15275-1112, USA, Phone 1-800-526-9377 [1-800-LANXESS]

## **Notices**

### **Use and Application Information**

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.