

Preventol SB

This document provides a brief description of Preventol SB, 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 safety data sheet (SDS), product label and other safe handling literature. For additional information consult the LANXESS safety data sheet.

Identification

Product Name:	Preventol SB
Chemical Name:	Triclocarban
Synonym(s):	1-(3',4'-Dichlorophenyl)-3-(4'-chlorophenyl) urea 3,4,4'-Trichlorocarbanilide 3,4,4'-Trichlorodiphenylurea TCC
CAS Number:	101-20-2

Description

Overview:	Preventol SB is an odorless chemical sold in white powder form.
Uses:	Preventol SB is manufactured by LANXESS for use in North America as an antimicrobial ingredient and preservative in bar soaps, liquid soaps and body washes. Globally, the chemical is also used as an active ingredient in detergents, cleansing lotions, antiseptic wipes, shampoos, deodorants, shaving creams and other consumer products.
Properties:	Melting Point: 482 - 491°F (250 - 255°C) Solubility in Water: Low

Potential Human Health Effects

Occupational Exposure

Potential for exposure exists during manufacture, at transloading facilities, during transfers to storage or staging areas, and in unenclosed manufacturing areas where dust may be suspended in the air and inhaled. A lesser potential for exposure exists within LANXESS' customer facilities, since Preventol SB is used in closed manufacturing processes by trained personnel.

Employee Training

Workers handling Preventol SB are trained to implement proper handling procedures and to understand the potential health and physical hazards of this product. Dust respirators are recommended for product handlers. In addition, LANXESS recommends that workers wear goggles, long-sleeved shirts, long pants and gloves when handling Preventol SB to minimize skin and eye contact.

Consumer Exposure

LANXESS Corporation does not sell Preventol SB to the general public. Consumer products manufactured using Preventol SB as an ingredient retain small concentrations (0.1% to 1.5%) of the chemical, and are intended to be rinsed from skin immediately after use. As a result, potential exposure to Preventol SB residuals from use of these products falls well below U.S. Environmental Protection Agency (EPA) and U.S. Food and Drug Administration (FDA) guidelines.

Short-Term Health Effects

Short-term exposure to Preventol SB through skin contact is not expected to be irritating. Eye contact may cause mild irritation, with symptoms of redness, itching and tearing. Preventol SB is not expected to be harmful if swallowed.

Long-Term Health Effects

No adverse health effects are expected.

Physical Hazards

Preventol SB is a stable, non-volatile solid at room temperature. Large concentrations of Preventol SB dust may be explosive. Exposure to heat, open flames and other potential sources of ignition should be avoided.

Potential Environmental Impact

Preventol SB degrades slowly in the environment. Concentrations of the chemical may pose a potential danger to fish (high toxicity), invertebrates (high toxicity) and aquatic plants (high toxicity) prior to degradation, although wastewater treatment effectively removes 98% of the chemical from anticipated manufacturing effluents. Environmental monitoring over a twenty-year period measured triclocarban concentrations well below levels considered hazardous to aquatic species, and a bio-concentration study in fish demonstrated that triclocarbans are readily metabolized.

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, Preventol SB is not expected to pose a significant risk to human health or the environment.

References

Safety Data Sheet (SDS), PREVENTOL SB, LANXESS Corporation

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

Product Information Bulletin: PREVENTOL SB, LANXESS Corporation

Risk-Based Prioritization Document, Initial Risk-Based Prioritization of High Production Volume (HPV) Chemicals - Triclocarban (CASRN 101-20-2), U.S. Environmental Protection Agency

Screening-Level Hazard Characterization of High Production Volume Chemicals - Triclocarban (CAS No. 101-20-2), March 2008, U.S. Environmental Protection Agency

Contact Information

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Notices

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