

Glydant[®] Plus Liquid

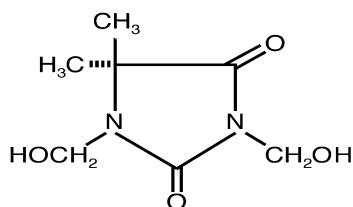
Personal Care Preservative

CAS No.: 6440-58-0 & 55406-53-6

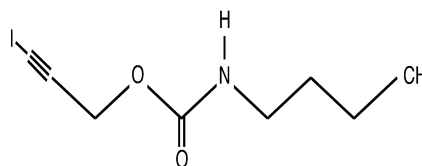
Description

Glydant[®] Plus Liquid™ is one of the most advanced preservative blends produced to date. Glydant Plus Liquid combines a well recognized germicide (DMDM Hydantoin) with an effective fungicide, (Iodopropynyl Butylcarbamate). This new and improved cosmetic and personal care preservative is based on patented Lonza technology. This advanced technology provides the lowest free formaldehyde available to the industry and results in greater safety and reduced regulatory issues. Additionally, this new Lonza technology provides Glydant Plus Liquid with improved temperature stability, a distinct advantage over competitive DMDMH products Glydant Plus Liquid continues the hydantoin leadership set by Lonza for the past three decades.

Glydant Plus Liquid



DMDM Hydantoin



Iodopropynyl Butylcarbamate

Features/Benefits

Features

- * Ultra-Low Free Formaldehyde (<0.1%)
- * Aqueous, Low-Freezing Hydantoin
- * Comprehensive Toxicology Package
- * Broad Spectrum Activity
- * Water-White Clarity

Benefits

- * Improved Plant Safety
- * Reduced Regulatory Issues
- * Less Plant Training Required
- * Inventory, Storage Cost Reductions
- * Best EPA Skin Irritation Rating
- * Minimum Risk to User
- * Maximum Cost-Effective Preservation
- * Minimal Crystallization Problems
- * Color Stability in Formulations

Physical Properties

Activity	50 %
Physical Form	Low viscosity, clear liquid
Odor	Low, characteristic

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Typical Properties

% Total Formaldehyde	13.0 Min
% Free Formaldehyde	0.09 Max
% IPBC	2.2 – 2.8
Color (APHA)	50 Max
pH	6.5 – 7.5
% Water Content w/w	23 - 25

Applications and Compatibility

Glydant Plus Liquid is based on DMDM hydantoin and Iodopropynyl Butylcarbamate recognized by the Cosmetic, Toiletry and Fragrance Association (CTFA) for use in cosmetic and personal care products. Glydant Plus Liquid is compatible in an extremely diverse range of aqueous formulations including:

Hair Care	Shampoos, Conditioners, Rinses
Skin Care	Liquid Soaps, Shower Gels, Sensitive Skin Lotions, Moisturisers, Cold Creams
Baby Products	Mild Shampoos, Hair Detanglers, Bubble Baths, Baby Wipes/Towelettes
Sun Products	Sunscreen Lotions and Creams
Raw Materials	Surfactants, Shampoo Blends, Conditioner Blends

Suggested Use Rates

A unique, easy-to-use and cost-effective preservative, Glydant Plus Liquid is typically used at 0.15 - 0.6% in rinse-off and leave-on personal care products.

Regulatory Status

INCI Designation	DMDM Hydantoin (and) Iodopropynyl Butylcarbamate
CAS No.	6440-58-0 & 55406-53-6

The components of Glydant Plus Liquid are listed in the United States Environmental Protection Agency TSCA Inventory list.

Packaging

Standard packaging for Glydant Plus Liquid includes the following:

500 pound net weight plastic drums

40 pound net weight plastic pails

Other package sizes are available upon request.

Storage

Maintain a temperature of eighty to one hundred degrees Fahrenheit prior to use. Avoid freezing.

Manufacturing Location

Williamsport, PA

Glydant Plus Liquid has been incorporated into an increasing number of personal care products. For further information on Lonza Group's extensive line of preservatives, please call our Technical Service Hotline at (800) 365-TECH (8324)