PILOT® CHEMICAL COMPANY

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MAGUARD® H-55

PRODUCT DATA SHEET

PDS 807001.ACTIVE. 08302024

PRODUCT DESCRIPTION

Maguard® H-55 is a 55% active DMDM Hydantoin (DMDMH) solution. Maguard® H-55 is an effective cosmetic preservative for use in leave on and rinse off personal care formulations.

INCI NAME

DMDM Hydantoin

CAS #

6440-58-0

TYPICAL PROPERTIES

Appearance, 25°C	Clear, colorless liquid
Active, wt.%	55.0
Freeze Point	32°F (0°C)
Shelf Life	3 Years

APPLICATIONS

Maguard® H-55 offers broad spectrum antimicrobial activity as a cosmetic preservative. Maguard® H-55 can be used in various personal product formulations including shampoos, conditioners, creams, lotions, soaps, cleansers, sunscreens, and baby products. **Formulators are encouraged to perform preservative challenge testing to ensure the effectiveness of Maguard® H-55 in their unique formulations.*

ADVANTAGES

Maguard® H-55 is effective in inhibiting the growth of bacteria, yeasts, and molds. Maguard® H-55 functions well at low concentration. Maguard® H-55 is fully compatible with surfactants, emulsifiers, and proteins, and is stable over wide pH and temperature ranges.

HANDLING & STORAGE

Please refer to the Maguard® H-55 Safety Data Sheet (SDS) before handling. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Keep containers closed when not in use. Avoid overheating or freezing. Store at temperatures below 86°F. If material is frozen, use mild heat (95°F) and agitation to ensure the material is homogenous before use. Elevated temperatures can affect the effectiveness of the product.

PACKAGING

Maguard® H-55 is available in 500 lb. poly drums and 2200 lb. poly totes.

See starting formulas and additional product information at www.pilotchemical.com.

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confim the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

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