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Global Supplier to Global Brands

TECHNICAL DATA SHEET**Product Name****Galguard Tetra****DESCRIPTION**

Galguard Tetra is an optimized isotropic microemulsion of Capryloyl Glycine, Undecylenoyl Glycine with Benzoic Acid and Phenoxyethanol.

INGREDIENTS

Sr. No.	INCI Name / Chemical Name	CAS Number	EC Number
1	Phenoxyethanol	122-99-6	204-589-7
2	Benzoic Acid	65-85-0	200-618-2
3	Capryloyl Glycine	14246-53-8	238-122-3
4	Undecylenoyl Glycine	54301-26-7	427-430-5

TECHNICAL SPECIFICATIONS

Appearance / nature	: Clear low viscous liquid
Colour	
a) Description	: Colourless to pale yellow
b) On Lovibond, (5¼ " cell, on Y+R), maximum	15
Odour	: Characteristic
pH (5% aqueous solution)	: 4.8 – 6.0
Active matter, % by mass	: 72 - 78
Water content, (% w/w), maximum	: 20 - 26
Freezing point, °C	: < 5

TECHNICAL DATA SHEET

PROPERTIES

Galguard Tetra is an optimized liquid microemulsion of antimicrobials for the preservation of beauty and personal care products. It is based on globally accepted and safe personal care ingredients.

Galguard **Tetra** is free from all toxic and controversial antimicrobials including parabens, iodopropynyl butyl carbamate, triclosan, 2-bromo-2-nitropropane-1,3-diol, isothiazolinones (CIT and MIT) and formaldehyde releasers (DMDM Hydantoin, imidazolidinyl urea, diazolidinyl urea, quaternium-15)

Galguard Tetra is a blend of lipidated glycines namely, N-capryloyl glycine and N- undecylenoyl glycine with benzoic acid and phenoxyethanol. This 'four component' system exhibits broad spectrum of antimicrobial activity against yeast, mold and bacteria. The preservation efficacy has been ascertained by performing challenge tests as per the CTFA recommended protocol in both leave-on and rinse-off formulations.

BENEFITS

- Preservation with well accepted ingredients
- Broad spectrum antimicrobial activity
- Effective in both rinse-off and leave-on formulations
- Compatible with anionic surfactants, sulfite ions and most of commonly used personal care ingredients

APPLICATIONS

- Rinse-off formulations: Shampoo, bath preparations etc.
- Leave-on formulations: Creams, Lotions, Gels, Serum etc.
- Wet Wipes: Make-up remover wipes, baby wipes etc.

NOTE:

- Recommended use level: 1.2 - 1.4% on weight basis
- Best efficacy: When pH of the formulation is below 6.5

PACKING

Galguard Tetra is available in 200 litres HMHDPE carboys. Total of 80 carboys i.e. 16 MT can be shipped either palletized or non-palletized in 20 ft. full container load. It is available in 50 litres HMHDPE carboys. Total of 270 carboys palletized i.e. 13.5 MT or 360 carboys non-palletized i.e. 18 MT can be shipped in 20ft. full container load. It is available in 25 liters HMHDPE carboys. Total of 640 carboys i.e. 16 MT can be shipped either palletized or non-palletized in 20 ft. full container load. It is available in IBC (1 MT capacity). 18 IBC i.e 18 MT can be shipped in 20 ft. full container load. 22.5 MT of Galguard Tetra can also be supplied in 25 MT ISO containers.

HANDLING AND STORAGE

Store **Galguard Tetra** in a clean, dry place at 25 – 35°C away from direct heat and sunlight. Keep the container tightly closed after use. Product solidifies, if stored below 5°C for prolonged time. If it solidifies, it is recommended to heat the jacketed ISO containers with hot water to bring the temperature of the product to 55°C maximum. If the product freezes in IBC / HMHDPE carboys then keep the same in hot room of 30 – 40°C (avoid direct heating) to raise the temperature of material to 30 – 35°C and homogenize. Colour of the product may deteriorate on exposure to heat and sunlight. Once the carboy / IBC is opened, it is recommended to consume the product within a week. When taken in ISO container it is recommended that material be consumed within one month's time after unloading in storage tank. In original sealed conditions, when stored as suggested, the shelf life of product is one year. During storage, stacking should be maximum 1+1 for IBC / carboys (palletized and non-palletized).

Spill should be contained / collected and disposed off as per the regulations. Avoid ingestion and contact with skin, eyes and clothing. If feeling unwell, after accidental swallowing, consult the doctor. In case of contact with eyes and skin, rinse immediately with plenty of water and seek medical advice.

Galguard Tetra

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Product Name : **Galguard Tetra**
Version : 03
Date of issue : 4th March, 2021
TDS Updated by : AW

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