

TECHNICAL DATA SHEET**Product Name****GalHueShield HCS****DESCRIPTION**

Chemical Name

: p-Methoxycinnamidopropyl dimethyl behenyl ammonium chloride

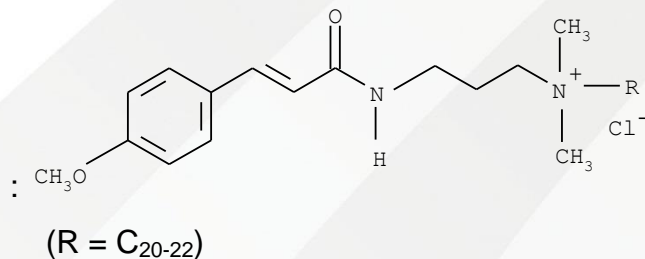
INCI Name

: Methoxycinnamidopropyl Behendimonium Chloride

CAS Number

: 880645-41-0

Chemical structure

**TECHNICAL SPECIFICATIONS**

Appearance / Nature

: Pearly off - white paste. Clear high viscous pale yellow liquid above 80°C

Odour

: Characteristic

Colour

a) description

: Pearly off - white

b) on Lovibond (5 ¼" cell, Y+R) maximum
(50% solution in 1:1 IPA : water > 55°C)

: 20

pH (1% aqueous dispersion)

: 5.5 - 7.5

Solids content (140°C, 1 hr), % by mass

: 29 - 31

UV absorbance (E_{1cm}^{1%}, at 306 nm in ethanol)

: 115 - 135

Total heavy metals, ppm, maximum

: 20

GalHueShield HCS

TECHNICAL DATA SHEET

Microbial count, TVC, cfu/g	: < 10
Microbial count, Y/ M, cfu/g	: < 10

PROPERTIES

GalHueShield HCS is a powerful UV absorbing moiety. It prevents damage to hair due to disulphide cleaving by harmful UV radiations. GalHueShield HCS provides better colour protection as compared to the other available hair color protectors and conditioners. GalHueShield HCS shows exceptional affinity for the hair. Due to its cationic nature, it gets adsorbed on the hair surface and smoothens disrupted cuticle thus improving sensorial properties of hair

APPLICATIONS

- Rinse - off conditioners
- Leave - on conditioners
- Hair sprays
- Hair treatments / masks
- Hair styling products

KEY BENEFITS

- **UV protection:** protects hair from UV damage
- **Good conditioning:** smoothens damaged surface, enhances sensorial attributes, significant reduction in combing force
- **Self-preserving:** exhibits anti-microbial properties
- Molecular weight above 500 D - dermatologically safe
- Being a cationic all attributes are best delivered through conditioners
- Compatible with other cationics

GalHueShield HCS

TECHNICAL DATA SHEET

PACKING

GalHueShield HCS is available in 50 litres HMHDPE carboys. 180 carboys palletized i.e. 9 MT can be shipped in 20 ft. full container load

HANDLING AND STORAGE

Store the material in a clean, dry place at 25 - 35°C away from direct heat and sunlight. Keep the container tightly closed. In the original sealed condition, when stored as suggested, the shelf life of the product is at least two years. During storage, carboys should be stored palletized only and should not be stacked one above the other.

Spill should be contained / collected and disposed off as per the regulations. Avoid ingestion, contact with eyes, skin and clothing. In case of contact with skin and eyes, rinse immediately with plenty of water and seek medical advice, if necessary

Product Name : **GalHueShield HCS**
Version : 03
Date of issue : 6th January, 2017
TDS Updated by : BB / AD
Authorised by : BP

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