

Technical Data Sheet

NIPACIDE CI 15 HS

CLARIANT CHEMICALS (CHINA) LTD
NO.2 LANE 168 LINHONG
ROAD,CHANGNING DISTRIC , SHANGHAI
www.ics.clariant.com
www.clariant.com

Biocide for the painting coating and polymers and printing ink and adhesive and pigment

Composition	Aqueous solution of 5-Chlor-methylisothiazolin-3-one and 2-Methylisothiazolin-3-one
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Product properties ¹

Appearance (20°C)	Liquid
Colour	greenish
Melting point	approx.0 °C
Active	1%-2.5%
Boiling point	approx.100°C
Density at 20°C	1.06 g/cm ³
pH	2-4
Viscosity dynamic	20mPa.s (20°C)

Profile

Nipacide CI15 HS is water based, low toxicity biocide developed for the complete in-can protection of water based products. Nipacide CI15 MV is effective against a wide range of microorganisms including gram positive and gram negative bacteria, yeast and fungi. Microorganisms grow at a rapid rate and without use of the correct biocide, numbers can increase dramatically.

Application

Nipacide CI15 HS is recommended for preservation of a wide range of applications including water based /Latex/PVA adhesives, PVA / Acrylic polymer emulsions, water based decorative paints, printing inks, metal working fluids and construction admixtures. Nipacide CI15 HS is effective against a wide range of common spoilage organisms. Thermal and pH stability

¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety and ecological data, please refer to the MSDS.

for Nipacide CI15 HS is a critical consideration and it should not be use for products with pH >9 or production temperatures of >40 C.

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Use level

Nipacide CI15 HS should be evaluated in finished products at levels between 0.1% and 0.3%. Please note, however, that the use of Nipacide CI15 HS above 0.1% requires R43 (causes sensitization by skin contact) hazard labeling. If labeling is an issue it is recommended you consider an alternative Clariant biocide, either CMIT/MIT free or a CMIT/MIT combination biocide eg

Chemical compatibility

Nipacide CI15 HS is compatible with most raw materials used in manufacture of industrial products, Nipacide CI15 HS compatibility should always be checked and evaluated before use.

Clariant Technical Service

Clariant technical service is available to assist customers in the determination of the optimum use level of biocide required to fully protect their product. A dedicated team of microbiologists are on hand at all times to assist customers with technical enquiries relating to product protection. Full microbiological efficacy testing is available.

Safety

Please see Material Safety Data Sheet before handling the material.

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