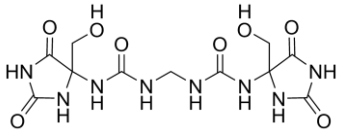




# J&A Chemical Solutions

## SALIMID-115 PRODUCT INFORMATION SHEET

General information		<p><b>Product Description:</b> Imidazolidinyl urea is produced by the chemical reaction of allantoin and formaldehyde in the presence of sodium hydroxide solution and heat. The reaction mixture is then neutralized with hydrochloric acid and evaporated.</p> <p>Imidazolidinyl Urea is an odorless white powder. It is very soluble in water (200 grams/100 grams), insoluble in oils and has limited solubility in propylene glycol.</p> <p>Salimid-115 is very active against Gram negative and Gram positive bacteria. When used with paraben, it provides a broad spectrum.</p> <p>Diazolidinyl urea can be a formaldehyde-releasing preservative. Although that sounds scary, the amount of formaldehyde released is well below the recommended limits of exposure.</p> <p>Moreover, other ingredients (such as proteins) in a product cause the free formaldehyde to evaporate and become inactive before it could possibly harm skin.</p>
Product Name	Salimid-115	
INCI Name	Imidazolidinyl Urea	
CAS No.	39236 – 46 – 9	
EINECS No.	254 – 372 – 6	
Molecular Formula	C <sub>11</sub> H <sub>16</sub> N <sub>8</sub> O <sub>8</sub>	
Molecular Weight	388.29 g/mol	
Structural Formula		<p><b>Chemical Stability and Compatibility:</b> Salimid-115 effectively works below pH 8.5 and maximum tolerable temperature is up to 60 degrees C.</p> <p><b>Incorporation:</b> The easiest way is to make a 50/50 solution with water and add after the addition of fragrance.</p>
Specification		<p><b>Shelf Life:</b> If stored at ambient temperature, in the original sealed container, Salimid-115 has an initial shelf life of Two years.</p>
Description	White odorless tasteless powder	
Solubility	Soluble in water and in glycerin, sparingly soluble in propylene glycol, insoluble in most organic solvents	<p><b>Recommended Use Levels:</b></p> <p>In cosmetics and personal care products, Salimid-115 can be found in many product types including lotions, creams, hair conditioners, shampoos and deodorants.</p> <p>Typical dose levels of Salimid-115 up to 0.2% - 0.5%.</p>
Color and clarity of solution	Clear and colourless	
pH (1% solution)	6.0 - 7.5	
Heavy metals	NMT 10 ppm	
Residue on ignition	3.0% max.	
Loss on drying	3.0% max.	
Nitrogen content	26.0 - 28.0% on dried basis	
Free formaldehyde	max 0.2 ppm	