



American International Chemical, Inc.

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SPECIFICATION SHEET

DIGLYCEROL (INCI name - Diglycerin)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
DGLSGL	2949	59113-36-9	March 3, 2011	GM	No. 1	MPR

CHARACTERISTICS:	A clear, colorless, odorless, water-soluble liquid, less volatile and more viscous than glycerol. Solvay's Diglycerol is a high purity material, containing a minimum of 90% diglycerol. The remainder of the product is primarily a combination of glycerol and triglycerol. In contrast, many products of the same average molecular weight contain as much as 40% glycerol.
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SPECIFICATIONS:	Diglycerol	Greater than 90%
	Water	Less than 0.50 g/kg
	Chloride	Less than 50 mg/kg
	Color (Hazen scale APHA)	Less than 30

STOCKING POINTS:	Farmingdale, NJ
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PACKAGING:	250 kg steel drum
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APPLICATIONS:	Being biocompatible, Diglycerol is incorporated in personal care formulas for its mild humectant properties and its ability to enhance fragrance/flavor impact and longevity. The higher viscosity of Solvay's Diglycerol compared to glycerol provides greater body to personal care formulations and could lead to a reduction in the amount of thickening agent needed.
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OTHER:	Polyglycerols differ widely in composition, depending upon their production process. Solvay polyglycerols are produced by the alkaline condensation of glycerol (vegetable origin), followed by hydrolysis, neutralization, and purification. This process is designed to produce high quality products with reduced amounts of cyclic components, which have reduced functionality (less hydroxyl groups available). This process also allows an excellent control of the reaction resulting in a narrow oligomer distribution and minimum batch-to-batch variability.
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