

Telomer Research Program

Clariant



Report Title: Physical-Chemical Properties of 8-2 Telomer B Alcohol:
Ultraviolet Spectrum, Water Solubility, and Vapor Pressure (3 reports)

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Study Dates: completed July 2002

Study Objective: The study objective was to determine the ultraviolet spectrum, solubility, and vapor pressure of 8-2 Telomer B alcohol.

Materials and Methods:

The material studied was Telomer B 8-2 alcohol (1-decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10 heptafluoro; CAS number 678-39-7)

The methods used were as follows:

Ultraviolet spectrum: OECD Guideline 101

Vapor Pressure: OECD Guideline 104 and EPA OPPTS 830.7950

Solubility: OECD Guideline 105

These studies were not carried out under GLP protocols.

Findings

Ultraviolet spectrum: There was no measurable absorption for Telomer B 8-2 alcohol at 25°C from 225 to 400 nm.

Vapor Pressure: The vapor pressure of Telomer B 8-2 alcohol ranged from 3Pa at 23°C to 101 kPa at 201°C.

Solubility: The solubility of Telomer B 8-2 alcohol in water from 12°C to 60°C was very low (134µg/L to 318µg/L).

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