



MAMMALIAN TOXICOLOGY OF SODIUM XYLENE SULFONATE (SXS)

Applicable to these current Stepan products:

STEPANATE® SXS		
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Toxicological Information:

<u>Test/Conditions</u>	<u>Results/Classification</u>	<u>References</u>
Acute Oral Toxicity (rat) (14 day) (gavage)/ n = 5/dose/sex	LD ₅₀ (Lethal Dose) greater than 5g/kg (practically non-toxic orally as a 40% solution)	SDA ¹
Acute Dermal Toxicity (rabbit) (14 day)	LD ₅₀ greater than 0.8g/kg (moderately toxic dermally)	SDA
Acute Inhalation Toxicity (rabbit) (4 hr. exposure)	LC ₅₀ (Lethal Concentration) greater than 6.41 mg/l (moderately toxic by inhalation)	SDA
Primary Eye Irritation (rabbit) (7 day observation) n=6	Mildly irritating to eyes as 40% solution	SDA
Primary Dermal Irritation (rabbit) n=6	Mildly irritating to skin as 40% solution	SDA
Subchronic Oral Toxicity (diet) (rat)(90 day)	No effects observed at 0.1% in the diet	SDA
Mutagenicity Study (Ames Test)	Not mutagenic	NTP Report ²
Carcinogenicity Study (rats/mice) (2 yr.) (dermal application)	Not a carcinogen	NTP Report

References:

1Soap and Detergent Association (SDA) Communication Paper, May, 1982.

2National Toxicology Program (NTP) Report on the Toxicology and Carcinogenesis Studies of Technical Grade Sodium Xylene Sulfonate, 1995.

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