## MAMMALIAN TOXICOLOGY OF SODIUM XYLENE SULFONATE (SXS)

Applicable to these current Stepan products:
STEPANATE®SXS
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Toxicological Information:

| Test/Conditions | Results/Classification | References |
| :---: | :---: | :---: |
| Acute Oral Toxicity (rat) (14 day) (gavage)/ $n=5 /$ doselsex | $\mathrm{LD}_{50}$ (Lethal Dose) greater than $5 \mathrm{~g} / \mathrm{kg}$ (practically non-toxic orally as a 40\% solution) | SDA ${ }^{1}$ |
| Acute Dermal Toxicity (rabbit) (14 day) | $\mathrm{LD}_{50}$ greater than $0.8 \mathrm{~g} / \mathrm{kg}$ (moderately toxic dermally) | SDA |
| Acute Inhalation Toxicity (rabbit) (4 hr. exposure) | $\mathrm{LC}_{50}$ (Lethal Concentration) greater than $6.41 \mathrm{mg} / \mathrm{l}$ (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.
2N ational Toxicology Program (NTP) Report on the Toxicology and Carcinogenesis Studies of Technical Grade Sodium Xylene Sulfonate, 1995.

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