



trioSKINCARE

FINAL REPORT ON THE SAFETY ASSESSMENT OF SODIUM LAURYL SULFATE

Sodium Lauryl Sulfate (SLS) is an anionic surfactant used in cosmetics and industrial chemicals as a cleansing agent. In absorption, metabolism and excretion studies, Sodium lauryl Sulfate had a degenerative effect on the cell membranes because of its protein denaturing properties. High levels of skin penetration may occur at even low use concentration.

Sodium lauryl Sulfate had a Lethal Dose of 50% in rats. A formulation containing 15% caused depression, labored breathing, diarrhea and death in 4 out of 20 animals. 10% Sodium Lauryl Sulfate caused corneal damage to rabbits eyes if not irrigated immediately. Skin corrosion and severe irritation occurred at concentrations of 10-30%

Sodium Lauryl Sulfate is prepared by the sulfation of commercially available lauryl alcohol from coconut oil, with either sulfur trioxide or chlorosulfonic acid. The product of this reaction is then neutralized with aqueous sodium hydroxide, also known as lye.

So you can see, SLS is to be avoided. The dangers have been proven and the risks can be prevented by not exposing yourself to this harmful chemical. Always check your ingredients!