

**E2-09: IMPROVEMENTS IN THE RADIATION VULCANISATION OF  
NATURAL RUBBER LATEX**

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There is a bright future for radiation vulcanised natural rubber latex but there are problems in manufacturing it as the centrifuged latex to be used for radiation has to be kept for at least a month or sometimes even three to six months before adding sensitisers and even then the latex sometimes coagulates on adding the sensitisers. By our invention, the field latex is stabilised by an anionic soap before centrifuging so that it has a high mechanical stability and hence can be used even within one week of the manufacture of the centrifuged latex. The use of low ammonia centrifuged latex is recommended. The addition of any of the following namely TMTD/ZnO, ZEDC/ZnO, HNS, HH or bactericides is recommended as the secondary stabiliser for the field latex and the addition of any of the following namely TMTD/ZnO, ZEDC/ZnO, HNS, HH or bactericides is recommended as the secondary stabiliser for centrifuged latex.