

## Environment, health and safety: Development of a risk management framework (Nanotechnology and Tyres: Greening Industry and Transport)

This chapter attempts to develop a risk management framework for nanomaterial used as an additive in any nano-enabled tyre. It provides a first insight into a methodology for evaluating the potential human health and environmental concerns associated with the entire life cycle of nanomaterials used in tyres, focusing on tyre manufacturing operations. It gives examples of how to use this methodology using two new nanomaterials that have potential real-world application in nano-enabled tyres: high-dispersion, high surface area (HD-HS) silica and nanoclays.

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