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INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“TEN YEARS WORKING TOGETHER FOR A SUSTAINABLE FUTURE”

Systematization and Classification of Cleaner Production Practices, Techniques and Tools

PESCIM, G. F. ^a, ESPOSTO, K. F. ^a

a. University of São Paulo, São Carlos

**Corresponding author, g_pecsim@hotmail.com*

Abstract

Cleaner Production (CP) is a preventive environmental management approach aimed at reducing pollution at source. Despite the success stories, the literature indicates barriers that hamper the implementation and dissemination of CP in companies. Among these barriers are the lacks of detailed and systematized information on practices that generate results and can be applied in CP implementation process. The main objective of this work is to systematize and classify the practices, techniques and tools of Cleaner Production to support companies in the implementation of Cleaner Production. For this, 357 practices were identified by means of a systematic review (159 classified as management practices and 196 classified as operational practices) and 77 techniques / tools. The practices, techniques and tools were classified according to the stages of the Cleaner Production methodology and its application scope (process, product and value chain) to indicate in which steps it can support the implementation of the methodology. In addition, operational practices were classified in relation to the Cleaner Production strategy adopted and environmental aspects for which they establish control and the techniques / tools were classified according to its functional types to specify which practices can be supported by their application.

Keywords: *Cleaner production, CP, Practices, Techniques and Tools.*
