



P59 : ROLE AND IMPORTANCE OF SAFETY DATA SHEET FOR BIOCIDAL SAFETY

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Objective: Our aim is to evaluate the researchs about the water pollution caused by pesticides and the regulations.

Chemicals' classification is important to demonstrate relevant hazard and to take precautions. Before the year 2000, this classification was done separately by each country. With the purpose of easier understanding of chemicals and cooperation, decisions to constitute Globally Harmonized System were taken at United Nations Rio Conference in 1992, to be effective from 2000. Another objective of the system is to demonstrate and eliminate the chronic effects of chemicals.

This system requires to specify physical characteristics, health and environmental effects using both literature and practice. Safety data sheet ensures the establishment of measures to protect human and environment for workers, professionals and industrial users working with biocidals. It contains sixteen titles including risk identification, contents, first aid and measures in case of accidents, physical, chemical, toxicological, ecological features, transport information.

Regulations regarding Safety Data Sheet has been published in Turkey in December 2014. The deadline for the directive is June 2015 for substances, June 2016 for mixtures. In addition to the standard label information, nominal amount must be specified.

Annex 2 of the EU REACH regulation aims to improve hazard communication and taking appropriate measures for active substances or mixture through the supply chain with Safety Data Sheet. Biocidals' or active substances' producers are obliged to meet these requirements. If the annual production is over 10 tons, manufacturers have to prepare Chemical Safety Report. Extended forms are created by adding exposure scenarios. Distributors must provide exposure scenario, in the main titles or in the annex.

Conclusion; Safety Data Sheet is legally required component for professional biocidal workers that enables exposure measures and hazard communication for the protection of the environment and human health. Reporting of biocidal exposure will also be beneficial for both short and long-term understanding of its effects.

Keywords: Biocidal, Safety Data Sheet, REACH