

Answer on Question #79592 - Chemistry - Physical Chemistry

Question:

What types of chemicals must have an MSDS?

Solution:

The starting point for assessing chemical safety is the collection of all available data on the hazard of the substance, and the effects on people and the environment arising from the conditions in which the substance is used, as well as information on production and use.

Hazard identification, hazard assessment, classification, assessment of long-term bioaccumulation and toxicity and very toxic and highly bioaccumulative substances.

If a substance is classified as hazardous or meets the criteria of PBT or vPvB, the impact assessment and risk characterization should be carried out and included in the CSR to demonstrate appropriate risk control. Impact is assessed using exposure scenarios for each exposure to the substance. Even when not required by law, the collection and evaluation of use and impact information will also be useful to the applicant submitting the document for the registration of the substance to determine if it falls under a special registration regime (for example, intermediary connections) or whether this information can be used to refuse any necessary information. Thus, even for substances that are not yet classified, the applicant submitting the registration documents may decide first to focus on collecting and evaluating its use and impact information. If this study deviates from the requirements in accordance with the principles set out in REACH, an impact assessment will also be required.

Impact evaluation consists of two stages: the development of an impact scenario (ES) and an impact assessment for each ES scenario developed. Impact scenarios are sets of conditions that describe how substances are produced or used during their lifetime, and how the producer or importer controls or recommends monitoring to subsequent users, impacts on people and the environment.

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