



Biogás
BRASIL



ABiogás
Associação Brasileira de Biogás



CIBIOGAS
ENERGIAS RENOVÁVEIS



MINISTÉRIO DO
MEIO AMBIENTE

MINISTÉRIO DE
MINAS E ENERGIA

MINISTÉRIO DA
AGRICULTURA, PECUÁRIA
E ABASTECIMENTO

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES



Executive Summary

The production and application of biogas occurs through several stages, ranging from the reception of substrates, management, feeding of biodigestors and operation of equipment used for energy conversion. In each of these stages, safety measures must be adopted to minimize possible risks to the environment and to the operators involved in the process.

Because there is not a specific regulation that guides regarding all the stages and safety measures in biogas plants in Brazil, it is common to observe units that operate with a low level of protection, that is, inadequate or non-existent safety equipment, lack of monitoring and control, team without training for containment/action in case of accidents, among others.

The guide of good practices of safety in biogas plants, presents in detail the possible sources of risk that can exist in production units, as well as guidelines for classification, signaling and protection measures to minimize and reduce the risks that can eventually cause damage to people and/or structures. As mentioned, due to the absence of specific regulation for biogas plants, some units end up neglecting steps.

Understanding the national biogas scenario, its expansion, the need to reduce the asymmetry of information and guide all those involved directly and indirectly in the process of biogas production, it is expected with this guide, to present recommendations to support the strengthening and growth of safe use of biogas in the national chain.