

## Carbon dioxide preserves mushroom spores

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The Lithuanian compost producer “Baltic Champignons” supplies Lithuanian, Latvian, Estonian, Polish and Russian mushroom growers with special compost that is ideally suited to mushroom growing. During transportation, the temperature of the compost, which is permeated with mushroom spores, must not exceed a permitted maximum, as otherwise the spores would die. Messer’s coolant – carbon dioxide – helps to stop the natural fermentation in the compost and keep the compost temperature constant. Carbon dioxide snow cools the compost and preserves the mushroom spores during transportation to the customer.

Messer is one of the leading industrial gas companies, and is active in over 30 countries in Europe and Asia, as well as Peru, with over 60 operating companies. Its international activities are managed from Frankfurt am Main, whilst management of core technical functions – logistics, engineering, production and applications engineering – is undertaken from Krefeld. In 2007, about 4,400 employees generated consolidated sales of €705 million.

From acetylene to xenon, the Messer Group has one of the most diverse product portfolios on the market – it produces industrial gases such as oxygen, nitrogen, argon, carbon dioxide, hydrogen, helium, shielding gases for welding, specialty gases, medical gases and many different gas mixtures.

The Messer Group has state-of-the-art research and competence centers in which it develops applied technologies for the use of gases in almost every sector of industry, in food technology and environmental technology, medicine as well as research and science.

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