



## Paediatric pain relief

**A mixture of medical gases that is already widely used in pain relief therapy for both out-patient and in-patient care. It is also ideal for use in paediatric medicine.**

### Easing pain with laughing gas and oxygen

The gas mixture LIVOPAN™ consists of nitrous oxide or laughing gas (N<sub>2</sub>O) and oxygen (O<sub>2</sub>) in equal parts. Its analgesic and sedative qualities make it ideal for use in paediatric medicine, for instance, for injections or lumbar punctures, out-patient surgery or suturing wounds. Information collected from children, parents and medical staff confirms the positive impact of this product. One study revealed that 90 percent of parents and medical staff questioned provided positive feedback on the effects of treatment with laughing gas and oxygen. Other analyses showed that 95 percent of children did not notice receiving an injection after treatment with the gas mixture and that its analgesic effect leads to improved acceptance of subsequent treatment stages.

### Success beyond Germany's borders

In view of these findings and the proven success of this product in Europe, we also launched it in several other markets including Brazil. We anticipate interest in this treatment to grow here, particularly since the government is strongly supporting the development of pain-relief strategies in paediatric care. In South America, Linde is a key supplier of medical gases and supporting hardware. Our strong ties here have also led us to support local community healthcare projects.

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