

Breakthrough in research on CFC-free MDIs

Researchers at the Chinese Pharmaceutical University report to have achieved some progress in efforts to replace CFCs in metered dose inhalers (MDIs). They have selected more than 2,000 formulae of different categories.

First formula: R-134a is used as propellant and a unique medicinal treatment process adopted to make albuterol or salbutamol MDI. Preliminary test results have shown that the new formula has good effects of lung absorption with blood concentration coming to peak within 5-10 minutes. The sample quality is the same as that of foreign products but is comparatively cheaper.

Second formula: HCFC is used as propellant and a unique formula adopted to make salbutamol MDI with good effects. The preliminary test results indicate that the blood concentration peak comes within 5-10 minutes. The low-cost formula uses raw materials that are in adequate supply in the domestic market. (Ozone Action in China, No. 30, December 2000)