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## Interior air of road vehicles —

Part 8:

### Handling and packaging of materials and components for emission testing

*Air intérieur des véhicules routiers —*

*Partie 8: Manutention et emballage des matériaux et des composants  
pour les essais d'émissions*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 146, *Air quality*, Subcommittee SC 6, *Indoor air*.

A list of all parts in the ISO 12219 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

Volatile and semi-volatile organic compounds (VOCs and SVOCs) are widely used in industry and can be emitted by many everyday products and materials. They have attracted attention in recent years because of their impact on indoor air quality. After homes and workplaces, the other place people spend a lot of time in is in their vehicles. Therefore, it is important to determine the material emissions of interior parts of vehicles and to reduce them to an acceptable level. To do so, it is necessary to get comprehensive and reliable information about the types of organic compounds in the indoor air of vehicles and their concentrations. Since contamination of the materials and/or rapid volatilization of emissions can influence the results of the measurements, it is necessary to know these effects to achieve repeatable and accurate test results.

This document describes the handling and packaging of materials and components for emission testing. It is intended to be used by producers and testing laboratories in the automotive industry.

This document supports the vehicle product development cycle since vehicle interior materials change frequently. Testing methods can specifically define the handling and packaging conditions for the material to be analysed. In these cases, the method is followed as closely as possible. This document can be used as a guide for when the protocol for handling and packaging the samples between part production and testing is not exactly defined.