

Shipment of Flammable Gas Samples in Single-Use IsoTubes

If the samples collected are at atmospheric pressure, and they are all known to contain less than 5% methane or other hydrocarbons (and therefore are not flammable), they need not be considered hazardous for shipping purposes. The following instructions apply only to samples that are flammable and/or pressurized.

Samples of flammable and/or pressurized gas must be identified as hazardous materials. We have enclosed the hazard labels that you will need and have listed below the information required by shipping companies who accept hazardous materials, such as Airborne and Federal Express. Please don't hesitate to ask your shipper for assistance in attaching labels and filling out the required forms. Each shipper has its own forms for Dangerous Goods.

1. Return the IsoTubes (with the white copy of the sample identification) to the UN certified box and seal the box with tape. Please note that the IsoTubes were originally shipped to you in an outer carton. **The original outer carton can be discarded;** only the UN certified box is used for return.
2. International Air Transport Association (IATA) Regulations require the following labels attached to the outside of the box:

FLAMMABLE GAS Label

UN2037 Label

AIR ELIGIBLE Sticker

You have been provided with one label that includes all three of the above components. This label should be attached on the same side as the address label or airway bill, as shown in the picture. Labels must not be folded or affixed in such a manner that parts of the same label appear on different faces of the package.

3. Complete a "SHIPPER'S DECLARATION FOR DANGEROUS GOODS" which can be obtained from your shipping company. The information that may be needed on this form is given below. Although not generally required as part of the shipping documents, an MSDS (Material Safety Data Sheet) for your files is included on the back of this instruction sheet.

Proper Shipping Name: Receptacles, small, containing gas

Class or Division: 2.1

UN or ID Number: UN2037

Subsidiary Risk: None (leave blank)

Packaging Group: None (leave blank)

Quantity & Type of Packaging: ____ Fibreboard box(es) x 0.1 Kg

Packing Instructions: 203

Shipment Type: Non-Radioactive

Prepared per: ICAO/IATA

Additional Information: Your company's emergency response telephone number

Limitations: None (leave blank)



4. Note: As required by the Department of Transportation (49 CFR - Part 172, Subpart G, §172.604) a person who offers a hazardous material for transportation must provide an emergency response telephone number, including the area code or international access code, for use in the event of an emergency involving the hazardous material. You **MUST** use your company's emergency response telephone number. If one is not available to you please contact us and we can advise you on how to obtain one.
5. To facilitate the scheduling and processing of your samples, please fax copies of all shipping documents to 217/398-3493 at the time of shipment. For international shipments, follow the special instructions enclosed.

These instructions have been prepared to simplify the task of shipping samples and are based on the "IATA Dangerous goods Regulations 44th Edition, 2003,". However, it is you, the shipper, who is ultimately responsible for the safe and legal shipment of these samples in compliance with the most recent applicable local, state, and international shipping regulations. Isotech assumes no liability resulting from the improper packaging and shipment of samples and makes no guarantees regarding the validity of the information presented here.

Warning: Samples containing high concentrations of hydrogen sulfide (> ~1%) cannot be shipped by air. Samples containing hydrogen sulfide are Class 2.3, toxic gas, and have additional shipping restrictions.