

Packing Instructions for Return Shipment of Methanol Vials (AIR)

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The information contained in this document is meant to provide a quick summary of applicable considerations and is not intended to replace necessary training and other requirements under the regulation, for all situations. Maxxam assumes no liability and recommends to its customers that they directly consult TDG regulations or licensed consultants if additional clarity is required.

The following protocol is required in order to meet IATA requirements.

1. The packer / shipper must be IATA trained and current for the minimum curricula requirements as noted in Table 1.5A in the IATA Dangerous Goods Regulations handbook. Seal the vials securely, ensuring there is no soil adhering to the threads. Methanol is aggressive and will be lost if this is not done.
2. Use the cooler, packaging and sorbent material in which the vials were provided for return shipment. This is essential because the cooler and packaging have been tested and proven to meet IATA drop test requirements.
 - Place the vials, maximum 500 mL total, soil plus methanol, in the cardboard box in which they were shipped. Seal.
 - Ensure the sorbent / cushioning material in the cooler remains there. It is an IATA requirement that there be enough sorbent material to retain the entire volume of methanol in case of a spill.
 - Place the cardboard box in the large ziplock bag also containing the Chain of Custody and place on the sorbent material in the cooler. Add ice to a second zip lock bag. Fill voids with bubble wrap. Close and seal the cooler. Note: Other jars, containing non-hazardous material, such as soil moisture jars, may be placed in the cooler. No additional hazardous materials can be placed in the cooler.
 - Ensure the bill of lading or air waybill includes the statement “Dangerous Goods in Excepted Quantities” and the number of packages shipped. Some couriers have equivalent paperwork such as Purolator Eship which does not require an air waybill.
 - Ensure the IATA Excepted Quantities label is on the cooler.

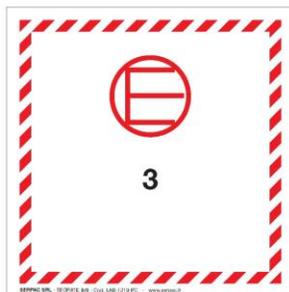
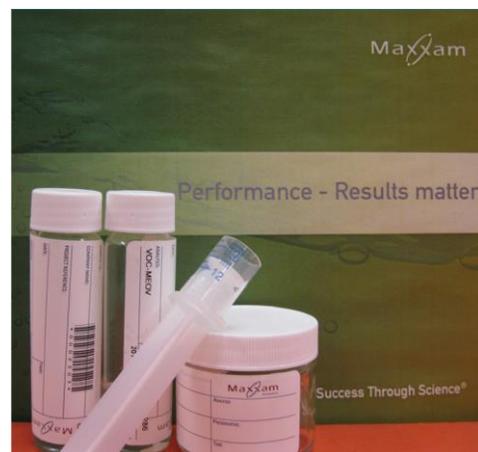


Table 1. MSDS information for Methanol

Methanol	
Classification	Class 3 (6.1) - Flammable
Description	Clear colourless liquid
Chemical Formula	CH ₃ OH
Packing Group	II - Medium Danger
UN Number*	1230
Flash Point	11 °C
Solubility	~100% in water
Boiling Point	64.7 °C
Vapour Pressure	97 mmHg
Handling Provisions	Avoid heat, flames, sparks, strong oxidizers, plastics, rubber and coatings.
* Four-digit number that identifies hazardous substances and articles in the framework of international transport.	



VOC Methanol Kit

For more information, please contact your Maxxam customer service representative or email enviro@maxxam.ca.