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**SAMPLE SHIPPING CONTAINERS UN/ICAO**  
  
**BULLETIN 119 (8-10)**

## **SAMPLE SHIPPING CONTAINERS - UN/ICAO**

**DRUMS FOR AIR SHIPMENT OF FUEL SAMPLES: 1 LITER AND 5 LITER INCLUDING APPROVED CARTONS**

**INTERNAL EPOXY COATING WILL NOT INFLUENCE TESTS FOR WISM, CONDUCTIVITY, GUM OR JFTOT**

**VERMICULITE AVAILABLE FOR 1 LITER CARTON SHOWN BELOW**



Fuel sample containers for shipment by air are controlled by UN/ICAO rules. The fuels that are the subject of this bulletin are called Class 3 - Flammable Liquids. The table that follows defines the way various fuels are classified.

We offer a packaging system that conforms to packaging instructions 305 or 309 in 1 or 5 liter drums. These are additional references. Our drums and cartons conform to these requirements:

<b>Agency</b>	<b>Inner Container, Steel</b>	<b>Outer Container, Fiberboard</b>
UN/ICAO	Rated 1A1	Rated 4G
IATA	Rated 1c3	Rated T5A

**YOU CAN SHIP VIA CARGO AIRCRAFT ANYTHING THAT IS PERMITTED ON PASSENGER AIRCRAFT**

**NOTE:** These drums can be re-used if inspection shows no damage and if the plug gasket proves to be adequate to prevent leakage

## HOW TO ORDER

*1 LITER DRUM ONLY	TL-3816
5 LITER DRUM ONLY	TL-3818
*1 LITER DRUM WITH CARTON	TL-3817
5 LITER DRUM WITH CARTON	TL-3819
VERMICULITE, 2 lbs needed to fill void space in 1 liter carton	TL-8335 (16 lb bag)

\*If you require safety wire holes in the plug, add the suffix - A to the part number.

## WEIGHTS AND DIMENSIONS

1 LITER DRUM IN CARTON: 7 inches (178mm) x 7 in. x 12.2 in. (310mm) - 2 Lb (.9 KG)  
5 LITER DRUM IN CARTON: 8.8 inches square (225mm) x 8.8 inches - 4.4 Lb (2 KG)

## HOW TO PACKAGE

After the fuel sample has been placed in the drum, tighten the threaded plug. Make sure the fuel resistant gasket is in place. The inner container must never be filled completely so as to avoid leakage or rupture as a result of thermal expansion and/or pressure caused by temperature build-up.

Turn the drum upside down to be sure of no leakage from the plug.

If lock-wiring is required, secure the threaded plug so that it cannot loosen during shipment. Twist the wire so that force is applied to tighten the plug. Not loosen it.

**1 Liter:** Place the drum in the carton so it is supported by the corrugated spacer and fill the entire void under, around and on top of the drum with vermiculite or sawdust to act as an absorbent.

**5 Liter:** Place the drum in the corrugated carton. It is not necessary to fill the remaining space with sawdust or vermiculite because the combination of the 5 liter drum and corrugated carton has been granted a UN approval. The drum itself is rated 1A1.

Tape all carton edges. Top, bottom and sides, with good quality packaging tape.

PRODUCT	UN OR ID NO.	FLASH PT. (CLOSED CUP)	PACKAGING GROUP	PASSENGER AIRCRAFT PKG. INSTRUCTIONS	MAX. QTY. LITERS
Aviation Turbine Fuel	1863	If greater than 23°C (73.5°F) If less than 23°C	III II	309 305	60 5
Kerosene	1223	If greater than 23°C (73.5°F) If less than 23°C	III II	309 305	60 5
Motor Spirit, Gasoline, Petrol	1203	Less than 23°C (23°C is 73.5°F)	II	305	5