

lighters are packed vertically in a plastic tray, use a plastic, fiberboard or paperboard partition to prevent friction between the ignition device and the inner packaging.

A6.10.5. Pack lighters and their inner packagings tightly and secure against movement in any rigid non-bulk UN specification outer packaging authorized in 49 CFR Part 178 at the Packing Group II performance level.

A6.10.6. Lighter refills may not contain an ignition element but must contain a release device. **(T-0).** Lighter refills may not exceed 4 fluid ounces capacity (7.22 cubic inches) or contain more than 65 grams of a Division 2.1 fuel. Pack lighter refills tightly and secure against movement in any rigid non-bulk UN specification outer packaging authorized in 49 CFR Part 178 at the Packing Group II performance level.

A6.11. Cryogenic Liquids packaged as follows:

A6.11.1. Handling Instructions. Store in cool, well-ventilated area away from fire hazards, direct rays of the sun, and organic or easily oxidizable materials such as grease and oil. Handle containers with extreme care. Avoid direct contact.

A6.11.2. Packaging Requirements. Ensure all containers are prepared in accordance with T.O. 37C2-8-1-127 and designed to hold low temperature liquefied gases and are strong enough to withstand all shocks and loading normally incident to air shipment and associated handling. Ship cryogenic liquids of argon, helium, neon, nitrogen, and oxygen according to filling density requirements in Figure A3.4. Ship hydrogen (minimum 95 percent parahydrogen) according to filling density requirements in Figure A3.5. Unless excepted in this paragraph, connect container to the aircraft's overboard vent system as required by A3.3.2.16.2. Protect container accessories against damage in handling.

A6.11.2.1. DOT 4L cylinders in a vertical position.

A6.11.2.2. Type TMU-27M, MIL-T-38170, or MA-1, trailer mounted, 189 L (50 gallon) capacity containers.

A6.11.2.3. C-1, 1892 L (500 gallons) capacity containers.

A6.11.2.4. Dewars, 25 L (6.6 gallon) capacity each. Not more than 6 per aircraft.

A6.11.2.5. Nonpressurized metal vacuum-type containers, dewars, 100 liter (26.42 gallon capacity) attached to nonskid base. Ship no more than one container per aircraft.

A6.11.2.6. NRU-5/E air-transportable 1514L (400 gallon tank) (MIL-T-38261).

A6.11.2.7. LS-160 container attached to shipping platform. Ship a maximum of one container per aircraft. Maximum 150 liters (39.63 gallons) nitrogen per container.

A6.11.2.8. TMU-70/M (MIL-A-85415) LOX servicing trailers equipped with absolute pressure relief valve.

A6.11.2.9. TMU-24E (MIL-T-27720), mounted on aircraft cargo pallet, 1514 L (400 gallons), liquid oxygen or liquid nitrogen storage and transfer tanks.

A6.11.2.10. LSHe-102, 109 L (28.79 gallon) capacity, attached to shipping skid equipped with an absolute pressure relief valve for air shipment. Authorized for liquid helium.

A6.11.2.11. LSHe-30, 30 L (7.92 gallon) capacity, packed in a specially designed shipping container (P/N 0305-0002) equipped with plastic foam pads. Ship no more than five containers per aircraft. Authorized for liquid helium and neon.

A6.11.2.12. LSNe-75, liquid neon container, with a maximum quantity of 75 L (19.81 gallon) attached to a shipping skid equipped with an absolute pressure relief valve.. Ship not more than two containers per aircraft.

A6.11.2.13. Liquid oxygen and liquid nitrogen in specification MIL-T-38170 containers vented to the outside of the aircraft. Monitor the container vent valve to make sure the pressure buildup within the container is not over 40 psig. Vent the container down to 5 psig whenever necessary during flight and close the valve when not venting.

A6.11.2.14. CRU-87/U, 10-liter, Portable Therapeutic Liquid Oxygen (PTLOX) Converters. Up to 25 PTLOX converters per aircraft may be shipped without overboard venting, except that C-21 aircraft is limited to 10 PTLOX converters without overboard venting.

A6.11.2.15. Foreign cylinders meeting the requirements of A3.3.2.10.

A6.11.2.16. UN Specification cylinders marked with "USA" as country of approval.

A6.11.2.17. CRU-50/A, 20-liter, Next-Generation Portable Therapeutic Liquid Oxygen (NPTLOX) Converters. Up to 25 Next-Generation Portable Therapeutic Liquid Oxygen (NPTLOX) converters per aircraft may be shipped without overboard venting aboard USAF transport aircraft.

A6.11.2.18. 500 Gallon liquid nitrogen (LIN)/liquid oxygen (LOX) Trailer, NSN 3655-01-601-2544RN and 3655-01-604-1578RN from partial to total capacity of LIN or LOX. Ensure container is connected to the aircraft's overboard vent system as required by paragraph A3.3.2.16.2. Up to three containers may be carried as long as they are properly connected to the vent system.

A6.12. Ethyl Chloride packaged as follows: Package ethyl chloride in any of the following single or combination nonbulk packagings which meet the PG I performance level. (Outage for all containers must be 7.5 percent or more at 21 degrees C (70 degrees F)). **(T-0)**.

A6.12.1. Package in boxes as follows:

Inner packaging	Outer packaging
Receptacles: glass, earthenware or metal Note: Not over 500 g (17.6 ounces) capacity each.	Boxes: ordinary natural wood (4C1), sift-proof natural wood (4C2), plywood (4D), or reconstituted wood (4F), fiberboard (4G) Note: Gross weight of 4G may not exceed 30 kg (66 pounds).

A6.12.2. Package in drums as follows:

Inner packaging	Outer packaging
Inner packaging not required	Drum: steel (1A1) not over 100 L (26 gallon) capacity each