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	Materials Logistics Department	Issue Date 11-2020	Replaces 05-2005
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Additional Packing, Packaging, and/or Marking Requirements

1. **MATERIALS**: Gases and liquids: pressurized, in cylinders, vessels, or tanks
2. **RANGE OF MATERIALS**: Saudi Aramco materials covered in materials services groups 150000 and 215000, for the above materials description, and direct charge purchase items of the same kind.
3. **REQUIREMENTS**: These requirements are in addition to those in the material master descriptions, and Saudi Aramco Standard Packing Specifications and apply only to the materials indicated. Deviation from these requirements is not allowed without the Buyer's written approval.
 - 3.1 Cylinders:
 - 3.1.1 From out-of-Kingdom vendors: Filled gas cylinders must be crated in accordance with Saudi Aramco Packing Specifications 8314-02 and 8314-04.
 - 3.1.2 From local manufacturers/vendors: Saudi Aramco Packing Specification 8314-00 applies to filled gas cylinders, with the additional requirement that the cylinders be transported in an upright position in a truck with side and end gates, and securely strapped/chained to the front of the truck bed in a manner that prevents the cylinders from shifting or tipping over.
 - 3.2 Large cylinders/vessels/tanks: Large cylinders/vessels/tanks with a capacity of 750 kg (1,650 lb) or more are shipped as single items in accordance with Saudi Aramco Packing Specifications 8314-02 and 8314-08.
 - 3.2.1 When delivered on trucks to Saudi Aramco, the cylinders/vessels/tanks must be carefully chocked or clamped on cradles in a horizontal position to prevent shifting and rolling. In addition, they must be chained to the truck bed.
 - 3.2.2 When the Buyer has specified delivery of large cylinders/vessels/tanks directly to the end user, the local manufacturer/vendor must make delivery arrangements accordingly.

- 3.3 Bulk deliveries: Saudi Aramco Packing Specification 8314-00 applies to overland transport of gases provided in bulk. In addition, the vendor is required to obtain Buyer's approval of the proposed delivery method prior to shipment, and the Buyer is required to make specific arrangements with the end user or receiver to accept the delivery.
- 3.4 Identification and labeling:
- 3.4.1 Gas cylinders must be identified and labeled in accordance with the Saudi Aramco material master number generic item description.
 - 3.4.2 If they contain hazardous gases, gas cylinders shipped to Saudi Aramco from out-of-Kingdom must be labeled or marked in conformance with the United States Department of Transportation (DOT), International Maritime Organization (IMO), International Air Transport Association (IATA), International Civil Aviation Organization (ICAO), Saudi Arabian Standards Organization (SASO), or any other government or trade organization regulations or requirements that may apply.

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