

		<b>MS 8444-14</b>	
ISSUED BY:	DHAHRAN MATERIALS & LOGISTICS DEPARTMENT TRAFFIC DIVISION	ISSUE DATE 05-2005	REPLACES 02-05
SUBJECT:	SAUDI ARAMCO PACKING SPECIFICATIONS		PAGE NUMBER 1 OF 1

#### ADDITIONAL PACKING, PACKAGING, AND/OR MARKING REQUIREMENTS

1. **MATERIALS**: Batteries: lead-acid, including lead-calcium, lead-antimony, lead-dioxide, nickel-cadmium alkaline
2. **RANGE OF MATERIALS**: Saudi Aramco materials covered in materials services group 053000, 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 Each battery must be packaged in an individual heavy-duty carton clearly marked to provide a complete description of the battery, the date of manufacture, and the Saudi Aramco material master number.
  - 3.2 Batteries must be shipped charged and dry without electrolyte, unless the Saudi Aramco material master-numbered material description specifies otherwise.
  - 3.3 Batteries shipped charged and dry without electrolyte and with total dimension measurements (length + width + height) of 712 mm (28 inches) or less must be packed in heavy standard domestic pack in accordance with Saudi Aramco Packing Specification 8314-00 for container cargo.
    - 3.3.1 The batteries must be unitized on container-type pallets (4-way entry), as described in paragraph 3.3.1 of Saudi Aramco Packing Specification 8314-00.
    - 3.3.2 The packing must provide equal or greater protection of the batteries than that required by paragraphs 3.1, 3.2, 3.4, and 3.5 of Saudi Aramco Packing Specification 8314-00.
  - 3.4 Batteries shipped charged and wet with electrolyte (including maintenance-free/freedom and absorbed, or gelled electrolyte batteries) and all batteries exceeding total dimension measurements of 712 mm (28 inches) must be packed in accordance with Saudi Aramco Packing Specifications 8314-02 and 8314-03 for boxes. Hazardous "CORROSIVE" labels (in accordance with IMO/IATA regulations, as applicable) must be affixed to boxes containing batteries shipped charged and wet with electrolyte.