

[METRIC]
A-A-2817
May 31, 1996

COMMERCIAL ITEM DESCRIPTION

TIRE PUNCTURE SEALANT AND INFLATOR

The General Services Administration has authorized the use of this commercial item description, for all Federal Agencies.

1. **SCOPE** This description covers a nonflammable latex type tire puncture sealant and inflator product in a pressurized container designed to provide emergency repair and inflation of pneumatic tires.

2. SALIENT CHARACTERISTICS

2.1 **Dispenser.** The sealant shall be furnished in a commercial pressurized dispenser. The product shall be dispensed by means of a tube that attaches to the valve stem of the tire. The contents shall be dispersible after less than 30 seconds of hand shaking. The container shall deliver the complete contents into the tire within two minutes and contain sufficient sealant and inflator to effect emergency repair of up to 41 cm (16 inch) tires. The product shall be functional down to a temperature of -4°C (25°F).

2.2 **Propellant.** The propellant shall be nonflammable (as defined by the Code of Federal Regulations 29 CFR 1910.1200) and shall not contain any of the Class I or Class II ozone depleting compounds, as listed in the Federal Register notice of July 30, 1992 (57 Fed Register 33753), which include chlorofluorocarbons, halons, carbon tetrachloride, methyl chloroform, and hydrochlorofluorocarbons.

2.3 **Sealing properties.** The product shall consist of a latex type sealant suitable for spreading uniformly inside a treated tire after driving 3 to 8 km (2 to 5 miles). The product shall seal a 4.76 mm ($3/16$ " diameter hole and inflate a tire to a minimum pressure of 193 kPa (28 lb/in^2) such that the tire will not lose more than 14 kPa (2 lb/in^2) after 24 hours when the ambient temperature does not change more than $\pm 2^{\circ}\text{C}$ between the initial and final readings.

2.4 **Corrosion resistance.** The product shall contain corrosion inhibitors and shall not corrode steel automotive rims.

3. QUALITY ASSURANCE PROVISIONS.

3.1 **Product Conformance.** The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4. PACKAGING.

The packaging and packing shall be as specified in the contract or order.

5. NOTES.

5.1 **Intended use.** This product is intended for temporary inflation of flat tires that are still sealed at the tire bead. Sealing and inflating cannot be expected if there is a faulty valve or valve extension, major fire damage or if the tire is separated from the rim.

Beneficial comments, recommendations, additions, deletions, clarification's, etc. and any data which may improve this document should be sent to: General Services Administration, Engineering and Commodity Management Division (10FTE), 400 15th St. SW, Auburn, WA 98001

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5.2 Precautions. Do not use on motorcycles. Do not store in direct sunlight or above 49°C (120F). Protect eyes at all times when using. Inform the tire repair shop of the use of this item before they fix the tire.

5.3 References. The Code of Federal Regulations (CFR) and the Federal Register are available in many public libraries. They are for sale mail order from the Superintendent of Documents, ATTN: New Order, PO Box 371954, Pittsburgh, PA 15250-7954. When indicated, reprints of certain regulations may be obtained from the federal agency responsible for issuance thereof. Charge orders may be telephoned to the Government Printing Office order desk at (202)-512-1800.

**PREPARING ACTIVITY
GSA-FSS**