





**PURCHASE DESCRIPTION  
INERT SPRAY**

**1. SCOPE**

This purchase description describes the requirement for materials, design, construction and inspection of an “INERT” type of Defensive Spray used for training purposes by Border Service Officers (BSO) within the Canada Border Services Agency (CBSA).

**2. GENERAL DESIGN REQUIREMENTS**

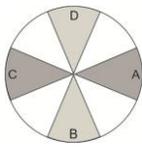
- 2.1 The “INERT” defensive spray is used for training purposes. It shall come in an 11cm high by 3.8cm diameter aerosol canister and shall contain only organic ingredients. The contents shall be pressurized using non-flammable and non-ozone depleting propellants. The canister shall be clearly labeled “INERT” and contain a minimum of 8 (eight) one second bursts.
- 2.2 All articles or materials covered by this purchase description shall be free from imperfections or blemishes such as may affect its appearance or serviceability. In the event of inconsistency with the purchase description, the Technical Authority shall be contacted for clarification.

**3. DETAILED DESCRIPTION**

The Bidder must clearly demonstrate (with references to proposal documentation) how the proposed product complies with each criterion. Product not meeting all the following mandatory requirements will be considered non-compliant:

Para.	Title/Test	Requirement	Reference to proposal documentation (i.e, Brochure title, page and paragraph numbers)
3.1	Ingredients	2% - 10% Propylene Glycol USP	
		2% - 10% Denatured Alcohol (SDA) 40B	
		80% - 98% Distilled Water	
		Must be pressurized using a non-flammable non-ozone depleting propellant	
		Suppliers must submit with the bid package the material safety data sheets (MSDS) of proposed products.	
3.2	Canister	Must be Aluminum	
		Must have a push button release valve at top of the can.	



		<p>Must come complete with protective spring loaded plastic safety cover to protect the release valve from being activated by accident. The safety cover must allow access from one side only so that the nozzle will be pointed away from the user. The safety cover must continue to function for the entire life cycle of the product. The canister must be durable, must not leak and must last the entire life cycle of the product.</p>	
		<p>The canister must be one directional spray</p>	
		<p>The canisters must be permanently affixed with a white label and the label must wrap completely around the circumference of the canister. If the canister color is red, orange, or blue the white the label must cover a minimum of 98% of the canister. If the canister is of a different color than red, orange or blue, the white label must cover a minimum of 80% of the canister. The labeling information (text) must not be affected by handling.</p>	
3.3	Canister Dimensions	<p>Height: 11cm ± 3mm</p> <p>Diameter: 3.8 ± 3mm</p>	
3.4	Volume/ Weight	<p>Minimum 8 bursts</p> <p>Average number of 1 second bursts 8</p> <p>Weight/Content 40 - 45 grams</p>	
3.5	Spray Pattern	<p>Must be stream type</p> <p>Must have a minimum effective range of 4 meters</p> <p>Continuous deployment from any angle, position, orientation</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>(A) 3 o'clock</p> <p>(B) 6 o'clock</p> <p>(C) 9 o'clock</p> <p>(D) 12 o'clock</p> </div> </div>	
3.6	Shelf Life	Minimum 4 years	
3.7	Marking/ Instructions	<p>Canister identified clearly INERT using a minimum font size of 18pts.</p> <p>Bilingual Text printed on canister</p> <p>Label must contain: Manufacturer's Identification</p>	



		Label must contain: Instructions on use (eg. To spray, press the top actuator aiming at the target in ½ to 1 sec bursts)	
		Label must contain: Contents/Ingredients (eg. Distilled Water, Propylene Glycol USP, and Denatured Alcohol SDA)	
		Label must contain: Expiry Date	

#### 4. SEALED SAMPLES

A sealed sample, identified by the purchase description number noted in the contract, will be supplied to the contractor when available. This will constitute the standard in regards to any properties not identified within. Variation from the purchase description may appear in the sample in which case the purchase description shall govern unless otherwise identified on the sealed sample tag.

#### 5. TECHNICAL INSPECTION

The contractor shall be responsible for the performance of all inspections and tests necessary to demonstrate that the material and services being supplied conform to the requirements of this purchase description. This may be accomplished by performing the tests specified in this purchase description or by demonstrating to the satisfaction of the CBSA, Technical Authority that conformity to the purchase description and manufacturing process is assured. The contractor may use any independent, ISO 9001 certified and ISO 17025 "Textile" certified testing facilities acceptable to the CBSA Technical Authority. Certification documents will be required.

The CBSA Technical Authority reserves the right to perform any inspection considered necessary to ensure the material services conform to the specified requirements. For the purpose of inspection, a portion of each delivery not exceeding two percent or two out of any number delivered fewer than 100 may be put to tests that could destroy the articles. If found to be inferior or not in accordance with this specification, all articles so destroyed shall be replaced by others of proper quality at the expense of the contractor. The entire delivery may also be rejected if it is found that articles previously rejected due to non-repairable defects are redelivered for inspection.

#### 6. DELIVERY, PACKING AND MARKING OF CONTAINERS

6.1 The outer packages must not be marked with a description of the contents.



- 6.2 It is the responsibility of the contractor to ensure that goods are packaged in a suitable manner to be delivered in an undamaged condition. Any goods received in a damaged condition will be returned to the contractor for replacement at his full cost.
- 6.3 The contractor will package the “INERT” Defensive Spray in accordance with the industry standards and best commercial packaging.
- 6.4 The contractor will also identify clearly on the outside of each package (box) the following items:
  - Material Master Number
  - Quantity of each size contained in the box
  - Contract Number