

NAVY SAFETY AND SURVIVABILITY OFFICE
REPORT OF NDI/COTS ASSESSMENT

Item Name: Xcaper® Civilian Smoke Mask

Date Received: 15 February 2002

Date Submitted: 15 April 2002

Manufacturer: Xcaper® Industries, LLC
1601 Dove Street, Suite 299
Newport Beach, CA 92660
(800) 351-3015

Description:

The Xcaper® Civilian Smoke Mask is designed as an "Emergency Escape Only" personal protection respirator. The Xcaper® Civilian Smoke Mask is advertised to filter out approximately 94% of smoke particulate matter and 100% of the gasses found in smoke. The Xcaper® kit comes with a dry mask, for practice use, and the actual wet mask packaged in an aluminized sealed envelope.

Assessment/Comment:

An assessment was conducted to determine the accuracy of the manufacturer's claims and ease of use. Test data provided by the manufacturer was reviewed to assess the performance claims and scenarios were used to assess the ease of use. According to test data provided, an independent test laboratory, Truesdail Laboratories, Inc., conducted the tests. The Xcaper® was subjected to various air sampling and particulate tests. The tests conducted by Truesdail Laboratories support the manufacturer's claims of smoke particulate and gas removal. Three participants assessed the Xcaper® for ease of use in a limited visibility environment. The mask packaging is easy to open with both wet and dry hands. The instructions for donning are clear and easily understood. Each participant was allowed to read the instructions and practice donning the dry mask. The Xcaper® mask was placed in a known location in an office setting and the lights were secured to restrict visibility. Each participant was to locate and don the mask and evacuate to a designated safe area. In each assessment, the participant was able to don the mask and escape to a safe area.

Recommendation:

Recommend this mask for potential use in Navy Facilities and DOD office environments.

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and shall not be used for advertising or product endorsement purposes.**



**QUADELTA
INCORPORATED**



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June 4, 2002

Xcaper® Industries, LLC
1601 Dove Street, Suite 299
Newport Beach, CA 92660

Attention: Mr. Robert G. Reese
Chief Operating Officer

Subject: Report of NDI/COTS Assessment of Xcaper® Civilian Smoke Mask

Enclosure: (1) Report, dtd 15 April 2002, NDI/COTS Assessment of Xcaper® Civilian Smoke Mask [2 pages]

Dear Mr. Reese:

QUADELTA, Inc. (QDI), is pleased to provide, at enclosure (1), in response to your request, a copy of the report submitted by QDI to the Director of Safety and Survivability (DIR(S&S)), in the Office of the Deputy Assistant Secretary of the Navy (Safety), ODASN(S), concerning the NDI/COTS assessment of the Xcaper® Civilian Smoke Mask which your company manufactures, markets, and distributes.

QDI, under Delivery Order No. N00600-02-F-0872, supports ODASN(S)/DIR(S&S) in conducting assessments of Non-Developmental Items (NDI) and/or Commercial-Off-The-Shelf (COTS) items that may have a potential use by the Department of the Navy. Such assessments are conducted pursuant to the overarching goal of the Federal Acquisition Streamlining Act (FASA) of 1994 (Public Law 103-355), which is to use commercial items to fill DoD requirements to the greatest extent practical. See Section 2.101 of the Federal Acquisition Regulation (FAR) for definitions of "non-developmental item" and "commercial item." Also, FAR Part 12 implements Title VIII of the FASA and prescribes the policies and procedures unique to the acquisition of commercial items.

Your special attention is invited to the Notice, Disclaimer of Liability, and Disclaimer of Endorsement on the cover of the report, including the statement that the report shall not be used for advertising or product endorsement purposes.

Should you have any questions about this report, please call either the undersigned at (703) 354-0700 or Mr. John C. Taggart at (757) 495-2921.

Sincerely,

A handwritten signature in black ink, appearing to read 'David L. Walker III', written in a cursive style.

David L. Walker III
Director of Contracts

cc: S&S/F. Crowson, Technical Director

REPORT OF NDI/COTS ASSESSMENT

ITEM: XCAPER® CIVILIAN SMOKE MASK

**PREPARED FOR THE DEPARTMENT OF THE NAVY, DASN (SAFETY)
NAVY SAFETY & SURVIVABILITY OFFICE**

UNDER DELIVERY ORDER NO. N00600-02-F-0872

BY

**QUADELTA, INC.
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