

SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

Specifications For HazMat Personal Protective Suit for Chlorine and Sulfur Dioxide

May 30, 2002

1. SCOPE

This specification covers a fully-encapsulating protective chemical suit meeting Chlorine Institute specifications as stated in Chlorine Institute Pamphlet 65 for "Enhanced Level B" test criteria or better.

2. GENERAL REQUIREMENTS

A. Suit will have attached sock booties with outer boot flaps, large face shield, expanded back to accommodate self-contained breathing apparatus and rear zipper

B. Suit/booties base material, visor, glove system must meet:

1. ASTM D2136 modified to -30° F and ASTM 903

or

2. ASTM D2136 modified to -30° F and ASTM F739

C. Seams tape must meet:

1. ASTM F739

or

2. ASTM F903

D. Ensemble must meet:

1. ASTM F1359

Physical Property Data

**Material:** Sealed Seam

**Basis Weight:** 3.1 oz/yd<sup>2</sup>

**Mil:** 10.3 minimum

**Mullen Burst:** 78 psi minimum

**Breaking Strength Grab (MD/XD):** 42/45 lbs

**Seam Breaking Point:** >33.6 lbf/2 in<sup>2</sup>

**Tearing Strength Trapezoid (MD/XD):** 11/9 lbs

**Sizing of Chemical Suit:**

**Available in sizes:**

Small through Triple Extra Large

3. APPROVED MANUFACTURERS AND MODELS:

Manufacturer

Model

Lakeland Industries, Inc

Level "B"