

The logo for Breglobal is positioned on the left side of the page. The word 'breglobal' is written in a lowercase, sans-serif font. The 'bre' portion is in red, and the 'global' portion is in white. The background of the entire page is a dark grey color. On the right side of the page, there is a large, abstract graphic consisting of numerous thin, white, curved lines that spiral outwards from a central point, creating a sense of motion and depth.

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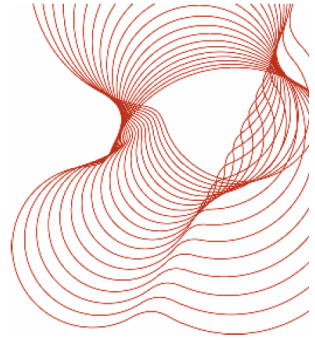
**Flammability Analysis of  
Security Fogging  
Equipment**

Prepared for: Enzo Koflach,  
Bandit UK

10<sup>th</sup> September 2008

Report number 244833

Protecting People, Property and the Planet



**Prepared on behalf of BRE Fire and Security by**

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Date 10<sup>th</sup> September 2008

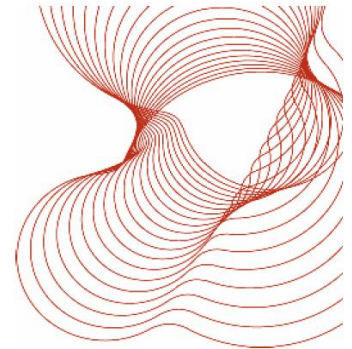
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## 5 Flammability Analysis of Security Fogging Equipment



## 1 Introduction

Bandit security fogging systems are used for the protection of high value assets. When an intruder is detected, the installed Bandit machine will rapidly produce a large volume of high opacity fog, interrupting the crime and making theft virtually impossible through reduced visibility. The Bandit machine has two phases of operation; fog production for a pre-set period of time determined by internal dip-switch settings and a subsequent cleaning cycle to clear out the heat exchanger.

The fog produced by the Bandit machine has previously been tested by TNO (Institute of Industrial Technology, Denmark) with no flammability found. Following this work, BRE Global conducted a more detailed study on the Bandit 240 DB fog producing machine to determine whether flammable gases are present in the cleaning cycle following fog production.

## Executive Summary

BRE Global Ltd has conducted a study of the Bandit 240 DB fog producing machine to determine whether flammable gases are present in the cleaning cycle following fog production.

Although small quantities of flammable vapour were detected over a series of trials, measurements and calculations following BS EN 60079-10:2003 Electrical apparatus for explosive gas atmospheres (classification of hazardous areas) demonstrate the quantity of flammable vapour released is negligible. The Bandit 240 DB fogging machine may therefore be used in industrial and commercial premises and no additional precautions to prevent ignition are required.

Please note that the tests undertaken and the results obtained do not constitute any form of approval or certification of the Bandit machine or system by BRE Global.