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EXPERTISE - 50802

"Effect of eXess® explosion protection network in containers" of eXess Engineering GmbH, Graz, Austria

Basics

- Patent No.: US 58 04 527.
- Patent No.: US 58 81 976.
- Patent No.: EU 0699176.
- Patent No.: EU 0699474.
- Trademark No.: 160 149, 689133, 533445, 3450616, 851 342.
- Prüfbericht 1993-EI-E-1323, TÜV, Wien, Österreich.
- Brief vom 18.6.2004, PTB, Braunschweig, Deutschland.

Statement

If containers (e.g., tanks, canisters) without electrical installations are permanently 100 % filled with grounded < eXess® explosion protection network in form of rolls or cylinders > in accordance to the intended use as specified by eXess Engineering GmbH, then no electrostatic discharges and therefore no electrostatic ignition sources according to EN-1127-1:1997, NFPA 77:1993 can be developed. Therefore if these containers are filled with flammable gases, vapors or liquids, no danger of explosions in the containers containing grounded < eXess® explosion protection network in form of rolls or cylinders > is given, because no hazardous explosive atmospheres is present.

The statements are not transferable to other type of networks than < eXess® explosion protection network in form of rolls or cylinders > described in the Patents and Trademarks given in Basics.

Fire*Ex* Consultant Ltd.
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