

LIGHT METALS AND HAZARDOUS LOCATIONS

Apparatus, components or machinery made of light metal is prohibited to be used in a hazardous location unless such apparatus, component or machinery is:

- A.) Covered by a housing, sheath, cover or coating (excluding paint) that will prevent such ignition.
- B.) Contained, situated or used in such a manner that does not create a significant risk of such ignition.
- C.) Complies with South African National Standard SANS 10012:2004 "The use of light metals in hazardous locations at mines."

"Light-metal" means:

- A.) Aluminium
- B.) Magnesium
- C.) Titanium
- D.) any alloy containing more than,
 - i.) 15% aluminium by mass of the alloy
 - ii.) 15% aluminium, magnesium and/or titanium, taken together by mass of the alloy or
 - iii.) 6% magnesium and/or titanium, taken together or separately, by mass of the alloy.

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