



Simtars

Industry Leaders Briefing

April 2022

Nick Ahlstrand – Executive Director



Resources Safety & Health
Queensland

Key messages

- Deliver testing, engineering, scientific and training services that enhance industry safety and health outcomes.
- We actively support emergency preparedness and response.
- We sponsor and undertake research aligned to our research strategy.



Registered Training Organisation (RTO 45647)



Testing & certification



Queensland Mines Inspectorate
Resources Safety & Health
Queensland

ALERT | ALERT | ALERT | ALERT | ALERT

Mines safety alert no. 381 | 29 September 2020 | Version 1

FRAS Rated Equipment Not Compliant With Testing Requirements

What happened?

The use of FRAS materials in underground mining environments plays a critical role in reducing the risk of underground ignitions. Recent testing in relation to FRAS rated products has established that two FRAS rated products have failed to meet the fire resistance and/or electrical resistance standards.

1. In June 2020 there was a product safety recall for Powaflex PVC FRAS hoses by Powaflex. Products tested did not meet either the relevant fire resistance or electrical resistance standards.
2. In June and July 2020 Mines Inspectorate testing of Protex ETS FRAS established that the material being tested did not meet the electrical resistance requirements of MDG3608 4.2.2.1.
3. In September 2020 Mines Inspectorate incendivity testing of the antistatic properties of FRAS rated materials identified the potential for FRAS material to build up sufficient charge that could lead to an incendive spark.

Recommendations

Site Senior Executives (SSEs) should conduct an audit to ensure that:



Trade & Investment
Mine Safety

GUIDELINE

MDG 3608

Non-metallic materials for use in underground coal mines

August 2012

Produced by Mine Safety Operations Branch

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Web: www.resources.nsw.gov.au/safety



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Safegas V5

- Research success story
- Continued investment
- **Stage 1:** Existing core functionality plus top 5
- **Stage 2:** Web enablement mobility and functionality enhancements



Emergency response



Health compliance & improvement



WORLD RECOGNISED
ACCREDITATION

- Minimise serious health harms
- Analytical services
- Technical competency
- Recognised standards & guidelines



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Research

Simtars Research Advisory Committee:

- Dr Sean Brady (Chair), Managing Director, Brady Haywood
- Dr Gareth Kennedy, Director MSTRC, Simtars
- André De Kock, Research Manager, Simtars
- Kerri Melkersson, Executive Director, Occupational Health, RSHQ
- Dr Bharath Belle, Principal Ventilation and Gas Manager, Anglo American
- Professor David Cliff, Sustainable Minerals Institute, University of Queensland
- Maryann Wipaki, GM HSEC, Glencore Queensland Metals
- Shane Hansen, Chief Executive Officer, Kestrel Coal

Resource library: [Simtars mining information and resource library - Simtars \(rshq.qld.gov.au\)](https://simtars.rshq.qld.gov.au)



Simtars – industry specialist

- Education and correction
- Unique industry position
- Maintain founding purposes
- Raising relevance and significance
- Support for industry and regulator

Promoting improved
safety and health
outcomes



Thank you

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