



MATERIAL SAFETY DATA SHEET

According to 91/155 EEC

Printed date:15.012019

Revision 29.08.2021

1. Identification of Substance

- Product details
- Trade name: **FIRE BALL SA (PTY) LTD**
- Application of substance preparation: **Dry Powder Fire Extinguisher**
- Importer/Distribution: **FIRE BALL SA (PTY) LTD**
- Informing department: Product Safety department
- Emergency information: 072 690 5921

2. Composition/Data on components

- Chemical Characterization: Fire extinguisher (1.3kg) Product details
- Description: Mixture of the substances listed below with harmless additions and not a pressure vessel
- Components:

CAS: 7722-76-1

EINECS: 231-764-5 Ammoniumdihydrogenphosphat 85-95% Silicone treatment to make hydrophobic (1.29Kg) 5-

N.E.C (including rubber tube) (1.3grams)

High density expanded polyester (EPS) pent foam with double layer of polyethylene film (0.41grams)

FIRE BALL SA (PTY) LTD | REGISTRATION NO: 2017/237205/07
DIRECTORS: LE ROYE VAN DER MERWE & NIC MEYER

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Postal Address: P.O.Box 13184, Noordstad, Bloemfontein, Free State, 9302
Physical address: 6A Ambulance Road, Hilton, Bloemfontein, 9301

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3. Hazard Identification

- Hazard designation: Void
- Information pertaining to particular dangers for man and environment: Void
- Classification system:
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies

4. First-Aid Measures

- General information: No special measures required
- After inhalation: Supply fresh air, consult doctor in case of symptoms
- After skin contact: No special measures required
- After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor
- After swallowing: Rinse out mouth and drink plenty of water

5. Fire Fighting Measures

- Suitable extinguishing agents. Product is an extinguishing agent. Use firefighting measures that suit the environment
- Protective equipment: No special measures required
- Additional information: Dispose of fire debris and contaminated firefighting water in accordance with official regulations.
- Hazardous Combustible products: Phosphorous oxides

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6. Accidental release measures

- Measures for cleaning and collecting: Collect mechanically or with vacuum cleaner
- Dispose of as waste according to item 13
- Send for disposal or recovery in suitable containers

7. Handling and Storage

Handling:

Information for safe handling:

Install, only indoors, keep dry cool and away from open flames and in supplied mounting bracket. Activation time 3-7 seconds when in contact with open flame. Do not smoke or bring open flame close to unit intentionally. Do not handle when it activates.

Roll into fire (Class A); static mount for Class B and C fire risks

Product tested and passed for compression of 150kg and drop test from 2.5m

Information about protection against explosions and fires:

When exposed to explosions, direct heat above rated temperature or fire, unit will perform according to design discharging extinguishing powder

Storage:

Requirements to be met by storerooms and containers:

Store under cool dry conditions, do not smoke

Use only containers and packaging specifically permitted for this substance/product. All packaging is to P101 requirements

Information about storage in one common storage facility:

Not required

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Further information about storage conditions:

Keep container sealed

Store under cool dry conditions and do not subject to intentional open flame

Additional information about design of technical systems:

Fire extinguisher activated by open flame only, not heat to disperse extinguishing powder to extinguish a fire
Extinguish a fire of 6sqm (Class A), 60L (Class B) and Class C.

Class A fires static mount ball or roll into base of fire

Class B fire static mount, above risk, do not throw into flammable liquid

Class C fire static mount, above risk

3-7 seconds to activate when subjected to open flame

120db alarm sound when ball activates

Do not bring open flame near product intentionally or product will activate, see item 7

Components with critical values that require monitoring at the workplace:

The product doesn't contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Personal protective equipment:

General protective and hygiene measures: Usual precautionary measures should be adhered to when handling fire extinguishing equipment, refer to item 7

Inhalation protection:

On activation, wait for extinguishing powder to settle and ventilate. Use breathing protection in case of insufficient ventilation. No special measures are required, refer to item 4

Protection of hands/skin:

No special measures, refer to item 7 and 4

Eye protection:

No special measures, refer to item 4. Safety glasses may be worn if unit is discharged within rated effective range.

Ingestion protection:

No special measures, refer to item 4

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9. Physical and chemical properties

General information:

Ball Form: Solid
Ball Colour: Red
Ball Smell: Odourless
Powder Form: Solid
Powder Colour: Cream
Powder Smell: Odourless

Change in condition:

Melting point / Melting range:	Ball: More than 85 degrees Celsius Powder: More than 100 degrees Celsius
Boiling point / Boiling range:	Ball: N/A Powder: N/A
Flash Point:	Ball: Open flame of more than 85 degrees Powder: N/A
Self in flammability:	Ball: Product is not self-igniting Powder: Product is not self-igniting
Danger of explosion:	Ball: Product is not explosive, unless exposed to open flame or heat above rating then will perform as per product specification and discharge extinguishing powder Powder: Product is not explosive
Density:	Ball: Pent foam Powder: +/-87 grams per 100ml
Solubility:	Ball: Insoluble Powder: Insoluble

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10. Stability and Reactivity

Thermal decomposition/conditions to be avoided:

Ball: Above 80 degrees Celsius conditions, moisture, open flame, outdoors

Powder: No decomposition if used according to specifications

Materials to be avoided:

Ball: Open flame, water, strong oxidizing agents and strong acids

Powder: Corrodes copper and brass, no dangerous reactions known

Dangerous products of composition:

Ball: No dangerous decomposition products are known

Powder: No dangerous decomposition products are known

11. Toxicological Information:

Acute toxicity:	None
Primary irritant effect:	None
On the skin:	Non irritant
On the eye:	Irritant effect possible, possible transient irritation No chronic effect identified
Inhalation:	Irritant effect possible, possible transient irritation No chronic effect identified
Sensitization:	No sensitizing effects known

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12. Ecological Information:

General notes: Generally, not hazardous for water (class 1)
General notes: CFC free product

13. Disposal Considerations

Product, powder and packaging should be disposed off according to local, state, federal and international product disposal regulations.

14. Transport Information

Shipping Name: Cartridge, power device / Fire extinguisher

UN #: UN0323

Hazard Class: 1.4S

NOTE: Substances and articles of this division are in Compatibility Group S if they are so packed or designed that any hazardous effects arising from accidental functioning are confined within the package unless the package has been degraded by fire, in which case all blast or projection effects are limited to the extent that they do not significantly hinder fire-fighting or other emergency response effort in the immediate vicinity of the package.

Land transport ADR/RID and GGVS/GGVE (cross border/domestic) ADR.RID-GGVS/E Class

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15. Regulatory Information

Generally, not hazardous for water, environment, animals and human beings

Please abide by your countries building and standard regulations concerning fire extinguishers

Lifespan of five (5) years

Generally, keep away from children under 10 years of age and install as per manufacturers specifications and installation guidelines

Designation according to EC guidelines

16. Other Information

This is based on our present knowledge. However, they shall not establish a legally valid contractual relationship. It is provided to educate the public on related health, safety and environmental issues with this product. Since this information or product may be applied under conditions beyond our control or outside of the products specifications we do not assume any responsibility for the results thereof.

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CERTIFICATION



CERTIFICATE OF CONFORMITY
Certificate No.: PCK20130805001

The Certification Body of
PANCERTITEK(U.K) TESTING AND CERTIFICATION LTD

Certifies that

Applicant: ABOEL INDUSTRIAL CO.,LIMITED

Address: 6/F, Tianhui Building, Donghuan 1st Road, Longhua New Area, Shenzhen, Guangdong, China

Product: Automatic Fire Extinguisher Ball

Type: FB-01

Complies with the requirements of the European Community **Directive 2001/95/EC General Product Safety**. The submitted products have been tested by us and found in compliance with the following European Standards:

CEN/TR 15276-1:2009

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. It does not imply an assessment of the whole production. This certificate should be used in conjunction with the technical documentation file related to the product.

Signature: Thomas Bill
Thomas Bill
Date of issue: Aug 23, 2013



PANCERTITEK(U.K) TESTING AND CERTIFICATION LTD
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bsi.

..making excellence a habit™

16 September 2019

Fireball South Africa
P.O. Box 13184
Noordstad
Bloemfontein
9302

Attention: Mr. Le Roy van der Merwe

FIREBALL CERTIFICATION

Dear Le Roy,

With reference to your enquiry regarding certification of your product the following:

BSI can only issue product certification for a product against an international or national standard. The certification process will involve factory assessments and testing of the product for compliance to the requirements of the standard.

Unfortunately we would not be able to assist you with your enquiry for Kitemark Certification as there are no known national or international standards for this product. The fireball is not a traditional portable fire extinguisher not a fire suppression system and cannot be certified against these standards. I am aware that the SABS standards committee were looking at writing a standard for the fireball at the beginning of the year, but I believe the technical committee decided not to proceed with it at that stage due to the lack of any other international standards for this product.

We can repeat the testing you had previously done at the SABS in 2008 at our laboratory in the United Kingdom, but as these testing will be once off customer specific and not for certification, these test reports will only be valid for samples tested at the time of testing and you would still not be able to apply any approval mark on your product.

As the fireball is not pressurised it is not regulated under the Pressure Equipment Regulation. As long as the fireball is installed in buildings as a secondary fire protection device and not as the replacement of traditional firefighting equipment prescribed by the Deemed-to-Satisfy requirements of the National Building Regulations (SANS 10400-T) there are no legal requirements for this product to be certified against any standard.

Kind regards



Ronel Liebenberg
Product Certification Executive
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