



Material Safety Data Sheet (MSDS)

According to Certification Notified Body No. 1395

Trade name: **KAIMART®** extinguishing ball [Model: ELB01]

Main Chemical: **Dry Chemical Powder (ABC)**

NON HAZARDOUS H.S. CODE: 3813.00.00

Issued: 3/10/2018

1.	Identification of substance:
	<ul style="list-style-type: none"> - Product details: Fire Extinguishing Ball, Emergency Device Fire Safety Supplement. - Trade name: KAIMART® extinguishing ball [Model: ELB01] - Manufacturer/Supplier: Elide Fire Ball Pro Co., Ltd. No. 54 Moo 6 T.Naklua, Banglamung, Chonburi 20150 Thailand Tel. (66) 38 414184-5 Informing department: Product safety department/Quality Control.
2.	Composition/Data on components:
	<ul style="list-style-type: none"> - CAS: 7722-76-1 - Chemical Characterization - Description: Mixture of the substances listed below with harmless additions. - Dangerous components:
3.	Hazards identification
	<ul style="list-style-type: none"> - Hazard designation: Void - Information pertaining to particular dangers for human 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
	<ul style="list-style-type: none"> - General information No special measures required. - After inhalation supply fresh air: consult doctor in case of symptoms. - After skin contact the product is not skin irritating. - After eye contact rinse opened eye for several minutes under running water. <p>After swallowing in case of persistent symptoms consult doctor.</p>
5.	Fire fighting measures
	<ul style="list-style-type: none"> - Non – Flammable, Suitable extinguishing agents use fire fighting measures that suit the environment. - Protective equipment: No special measures required. - Flash Point : None
6.	Accidental release measures
	<ul style="list-style-type: none"> - Person-related safety precautions: Not required. (refer to # 4 above)

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KAIMART®

**THE TRADEMARK OWNER
MANUFACTURER**

ELIDE FIRE BALL PRO CO., LTD. (HEAD OFFICE)
54 Moo 6 T. Naklua, A. Banglamung
Chonburi, Thailand 20150
Phone +66(38) 414 184, +66(38) 414 185
Fax. +66(38) 414 186

FACTORY
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	<ul style="list-style-type: none"> - Dispose According to Local Requirement. - Measures for environmental protection: No special measures required. - Measures for cleaning/collecting: Collect mechanically. - Additional information: No dangerous materials are released. 						
7.	Handling and storage						
	<ul style="list-style-type: none"> - Handling - Information for safe handling: No special measures required. - Information about protection against deflection and fires: No special measures required. - Storage. - Requirements to be met by storerooms and containers. - Use only containers specifically permitted for this substance/product. - Information about storage in one common storage facility: Not required. - Further information about storage conditions: Store under dry conditions. - Storage class - Class according to regulation on inflammable liquids :Void 						
8.	Exposure controls and personal protection						
	<ul style="list-style-type: none"> - Additional information about design of technical systems: No further data: see item 7 - Components with critical values that require monitoring at the workplace: 7727-43-7 barium sulphate, natural (2.5-10%) TLV 2 mg/m3 - Additional information: The lists that were valid during the compilation were used as basis. - Personal protective equipment and hygienic measures - General protective and hygienic measures - The usual precautionary measures should be adhered to in handling the chemicals. - Breathing equipment: Not required. - Protection of hands: Not required. - Eye protection: Not required. 						
9.	Physical and chemical properties and test results MDSS.						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">From:</td> <td>Solid</td> </tr> <tr> <td>Colour:</td> <td>According to product specification</td> </tr> <tr> <td>Smell:</td> <td>Characteristic</td> </tr> </table>	From:	Solid	Colour:	According to product specification	Smell:	Characteristic
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Colour:	According to product specification						
Smell:	Characteristic						
	<table style="width: 100%; border: none;"> <tr> <td colspan="2">Change in condition</td> </tr> <tr> <td>Melting point/Melting range:</td> <td>Not determined</td> </tr> <tr> <td>Boiling point/Boiling range:</td> <td>Not determined</td> </tr> </table>	Change in condition		Melting point/Melting range:	Not determined	Boiling point/Boiling range:	Not determined
Change in condition							
Melting point/Melting range:	Not determined						
Boiling point/Boiling range:	Not determined						
	Flash point: Not applicable						
	Self-inflammability: Product is not self igniting						
	Danger of explosion: None						
	Density in Miscibility with						
	Water: Insoluble						

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	<p>Test Results / Shape of Ball Spherical in shape</p> <p>General Appearance No cracks, tears and leakage of the extinguishing agent</p> <p>Extinguishing agent contained inside Dry chemical powder</p> <p>Fire extinguishing balls No agglomeration</p> <p>Thermal resistance test No cracks, tears and leakage of the extinguishing agent</p> <p>Test of burst effect. Low pressure, dry chemical powder is diffused</p> <p>Sound level test, dBA. 138.2</p> <p>Test for resistance to compression No cracks, tears and leakage of the extinguishing agent</p> <p>Drop test No cracks, tears and leakage of the extinguishing agent</p>
10.	<p>Stability and reactivity</p> <p>Thermal decomposition/conditions to be avoided: at 853°C</p> <p>Dangerous reactions No dangerous reactions known</p> <p>Dangerous products of compositions: No dangerous decomposition products known</p>
11.	<p>Toxicological information</p> <p>Acute toxicity: None.</p> <p>Primary irritant effect:</p> <p>On the skin: No irritant effect.</p> <p>On the eye: No irritant effect.</p> <p>Sensitization: No sensitizing effects know.</p> <p>Additional toxicological information:</p> <p>The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:</p> <p>When used and handled according to specifications, the product does not have any Harmful effects according to our experience and the information provided to us.</p>
12.	<p>Ecological information:</p> <p>General notes: Generally not hazardous for water.</p>
13.	<p>Disposal considerations</p> <p>Product:</p> <p>Recommendation Contact waste processors for recycling information or bury into the ground</p> <p>Unclean packaging:</p> <p>Recommendation: Disposal must be made according to official regulations.</p>
14.	<p>Transport information</p> <p>KAIMART® is an Automatic fire extinguishing product with dry chemical mono ammonium phosphate 99.89 percent. There is aluminum, chlorine, potassium are mixed as pyrotechnic with 0.11 percent components in the KAIMART®; It is covered by extinguishing chemical for safety reason. The functions of KAIMART®, when the fires occur KAIMART® will burst and automatically extinguish the fire. These will make transportation more safety.</p> <p>Road (CDGRR) : Not Restricted.</p> <p>Air (IATA) : Not Restricted.</p> <p>Sea (IMDG) : Not Restricted.</p>

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15.	Regulatory information
	<p>Designation according to EC guidelines:</p> <p>Observe the normal safety regulations when handling chemicals</p> <p>The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV) = German term</p> <p>Code letter and hazard designation of product: Night eingestuftl. = German term</p> <p>National regulations</p> <p>Classification according to VbF: Void</p> <p>Water hazard class: Generally not hazardous for water.</p>
16.	Other information:
	<p>These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p> <p>Department issuing data specification sheet: Environment protection department.</p>
	Main Component: Test following the CE Standard: EN 615
	Percentage of:
	Mono Ammonium Phosphate (Dry chemical powder) A, B, C: Approx. % 91-95
	Apparent density: 9/100 ml 87+-5 (acc.DIN)
	Particle size Approx. % 55-65 <0.04 mm
	Fluidity: g/sec. 70-90
	Temperature stability:
	From: C -60
	Up to: C +85
	Hydrophobic treatment Silicone
	Physiological There are no toxicological objections when handling Mono
	Safety declaration: Ammonium Phosphate is dispersed during the application in case of fires.
	When the device touch the flame of fire, will explode and make an alarm and tear the package and extinguish a fire.
	Durability: 5 years shelf life. No yearly or half yearly maintenance required.
	Defect itself: Keep dry and away from direct sunlight, water and rain.
Contact: ELIDE FIRE BALL PRO COMPANY LIMITED.	
Technical alteration reserved. This edition cancels all previous data sheets.	
This document is valid only when it is signed and sealed by Elide Fire Ball Pro Co., Ltd. Only.	

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