



Material Safety Data Sheet

According to Certification Notified body No. 1395

Trade name: **Elide Fire Extinguishing Ball**

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

NON HAZARDOUS, H.S. CODE: 3813.00.00

Revision: 06/2017

1.	Identification of substance:
	<ul style="list-style-type: none"> - Product details: Fire Extinguishing Ball, Emergency Device Fire Safety Supplement. - Trade name: Elide Fire - 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) - 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 defecation 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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	Self-inflammability:	Product is not self igniting
	Danger of explosion:	None
	Density in Miscibility with Water:	Insoluble
	Test Results / Shape of Ball	Spherical in shape
	General Appearance	No cracks, tears and leakage of the extinguishing agent
	Extinguishing agent contained inside	Dry chemical powder
	Fire extinguishing balls	No agglomeration
	Thermal resistance test	No cracks, tears and leakage of the extinguishing agent
	Test of burst effect.	Low pressure, dry chemical powder is diffused
	Sound level test, dBA.	138.2
	Test for resistance to compression	No cracks, tears and leakage of the extinguishing agent
	Drop test	No cracks, tears and leakage of the extinguishing agent
10.	Stability and reactivity	
	Thermal decomposition/conditions to be avoided: at 853°C	
	Dangerous reactions No dangerous reactions known	
	Dangerous products of compositions: No dangerous decomposition products known	
11.	Toxicological information	
	Acute toxicity: None.	
	Primary irritant effect:	
	On the skin: No irritant effect.	
	On the eye: No irritant effect.	
	Sensitization: No sensitizing effects know.	
	Additional toxicological information:	
	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:	
	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.	
12.	Ecological information:	
	General notes: Generally not hazardous for water.	
13.	Disposal considerations	
	Product:	
	Recommendation Contact waste processors for recycling information or bury into the ground	
	Unclean packaging:	
	Recommendation: Disposal must be made according to official regulations.	





14.	Transport information																								
	<p>ELIDE FIRE® 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 ELIDE FIRE®; It is covered by extinguishing chemical for safety reason. The functions of ELIDE FIRE®, when the fires occur ELIDE FIRE® will burst and automatically extinguish the fire. These will make transportation more safety.</p> <p>Road (CDGRR) : Not Restricted. Air (IATA) : Not Restricted. Sea (IMDG) : Not Restricted.</p>																								
15.	Regulatory information																								
	<p>Designation according to EC guidelines: Observe the normal safety regulations when handling chemicals The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV) = German term Code letter and hazard designation of product: Night eingestuftl. = German term National regulations Classification according to VbF: Void 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. Department issuing data specification sheet: Environment protection department.</p> <p>Main Component: Test following the CE Standard: EN 615</p> <p>Percentage of:</p> <table border="1"> <tr> <td>Mono Ammonium Phosphate (Dry chemical powder) A, B, C:</td> <td>Approx. %</td> <td>91-95</td> </tr> <tr> <td>Apparent density: (acc.DIN)</td> <td>9/100 ml</td> <td>87+-5</td> </tr> <tr> <td>Particle size <0.04 mm</td> <td>Approx. %</td> <td>55-65</td> </tr> <tr> <td>Fluidity:</td> <td>g/sec.</td> <td>70-90</td> </tr> <tr> <td>Temperature stability:</td> <td></td> <td></td> </tr> <tr> <td>From:</td> <td>C</td> <td>-60</td> </tr> <tr> <td>Up to:</td> <td>C</td> <td>+85</td> </tr> <tr> <td>Hydrophobic treatment</td> <td colspan="2">Silicone</td> </tr> </table>	Mono Ammonium Phosphate (Dry chemical powder) A, B, C:	Approx. %	91-95	Apparent density: (acc.DIN)	9/100 ml	87+-5	Particle size <0.04 mm	Approx. %	55-65	Fluidity:	g/sec.	70-90	Temperature stability:			From:	C	-60	Up to:	C	+85	Hydrophobic treatment	Silicone	
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	Physiological Safety declaration: There are no toxicological objections when handling Mono 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: When in direct contact with flames, device bursts extinguishing the fire.
Contact: ELIDE FIRE BALL PRO COMPANY LIMITED.	
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