



ELIDE FIRE BALL PRO CO.,LTD.

54 Moo 6 T. Naklua, A. Banglamung Chonburi 20150, Thailand.

Tel : +66(38)414184-5 Fax: +66(38)414186

E-mail : info@elidefire.com

Website : http://www.elidefire.com , http://www.elidefireballpro.com

Material Safety Data Sheet

According to 91/155 EC and Laboratory No. WH.557 MDSS.

Trade name: Elide Fire Extinguishing Ball

Main Chemical: Mono Ammonium Phosphate

NON HAZARDOUS, H.S. CODE: 3813.00.00

Revision: 01/01/2015

1.	Identification of substance:
	<ul style="list-style-type: none"> - Product details: Emergency Device Fire Safety Supplement - Trade name: Elide Fire Extinguishing Ball - 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"> - Chemical Characterization - Description: Mixture of the substances listed below with harmless additions. - Dangerous components: Void
3.	Hazards identification
	<ul style="list-style-type: none"> - Hazard designation: Void - Information pertaining to particular dangers for human and environment void. - Classification system <p>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.</p>
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-collapse: collapse;"> <tr> <td style="width: 50%;">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
From:	Solid						
Colour:	According to product specification						
Smell:	Characteristic						
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Change in condition</td> </tr> <tr> <td style="width: 50%;">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						
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Flash point:</td> <td>Not applicable</td> </tr> </table>	Flash point:	Not applicable				
Flash point:	Not applicable						
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Self-inflammability:</td> <td>Product is not self igniting</td> </tr> </table>	Self-inflammability:	Product is not self igniting				
Self-inflammability:	Product is not self igniting						
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Danger of explosion:</td> <td>None</td> </tr> </table>	Danger of explosion:	None				
Danger of explosion:	None						
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Density in Miscibility with Water:</td> <td>Unsoluble</td> </tr> </table>	Density in Miscibility with Water:	Unsoluble				
Density in Miscibility with Water:	Unsoluble						

	<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</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. No be cracks and broken of glass</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.	Stability and reactivity
	<p>Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.</p> <p>Dangerous reactions No dangerous reactions known</p> <p>Dangerous products of compositions: No dangerous decomposition products known</p>
11.	Toxicological information
	<p>Acute toxicity: None.</p> <p>Primary irritant effect: On the skin: No irritant effect. On the eye: No irritant effect.</p> <p>Sensitization: No sensitizing effects known.</p> <p>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.</p>
12.	Ecological information:
	General notes: Generally not hazardous for water.
13.	Disposal considerations
	<p>Product: Recommendation Contact waste processors for recycling information.</p> <p>Unclean packaging: Recommendation: Disposal must be made according to official regulations.</p>
14.	Transport information
	<p>The product admitted for use in production, transport inside the company and sale. It is admitted to road transport on ADR conditions and to rail transport on RID.</p> <ul style="list-style-type: none"> - Land Transport ADR/RID and GGVS/GGVE (cross-border/domestic) - ADR/RID-GGVS/E
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</p>

	<p>Ordinance on Hazardous Materials (GefStoffV) = German term Code letter and hazard designation of product: Nicht 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>																																				
16.1	Main Component:																																				
	<table border="0"> <tr> <td colspan="3">Percentage of:</td> </tr> <tr> <td>Mono Ammonium Phosphate:</td> <td>Approx. %</td> <td>91</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 colspan="3">Temperature stability:</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 colspan="2">Hydrophobic treatment</td> <td>Silicone</td> </tr> <tr> <td>Physiological Safety declaration:</td> <td colspan="2">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.</td> </tr> <tr> <td colspan="3">Durability: 5 years shelf life. No yearly or half yearly maintenance required.</td> </tr> <tr> <td colspan="3">Defect itself: When in direct contact with flames, device bursts extinguishing the fire.</td> </tr> </table>	Percentage of:			Mono Ammonium Phosphate:	Approx. %	91	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	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.		
Percentage of:																																					
Mono Ammonium Phosphate:	Approx. %	91																																			
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																																			
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.																																					
16.2	Fuse + Breaker in rubber tube of Fire Extinguisher Ball																																				
16.3	Film: Wrapping & Label PVE/PVE																																				
16.4	Foam: Non CFC / Greenhouse Effect																																				
Contact: ELIDE FIRE BALL PRO COMPANY LIMITED.																																					
Technical alteration reserved. This edition cancels all previous data sheets.																																					