



Material Safety Data Sheet

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

Trade name: Fire Extinguisher Ball (SSP)

Main chemical: Mono Ammonium Phosphate

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| 1. | Identification of substance: |
| | <ul style="list-style-type: none"> - Product details: - Trade name: Fire Extinguisher Ball - Manufacturer/Supplier: Siam Safety Premier Co., Ltd. 14/8-9 M.1 T. Kaomaikaew, Banglamung, Chonburi 20150 Thailand Tel. (66) 38 309186-7 Informing department: Product safety department. |
| 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 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 |
| | <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. - After swallowing in case of persistent symptoms consult doctor. |
| 5. | Fire fighting measures |
| | <ul style="list-style-type: none"> - Suitable extinguishing agents use fire fighting measures that suit the environment. - Protective equipment: No special measures required. |
| 6. | Accidental release measures |
| | <ul style="list-style-type: none"> - Person-related safety precautions: Not required. - 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 |

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|---|------------------------------------|-------|---------|------------------------------------|--------|----------------|---------------------|--|------------------------------|----------------|------------------------------|----------------|--------------|----------------|----------------------|-----------------------------|----------------------|--------------------------|
| <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 requited. - 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 | | | | | | | | | | | | | | | | | | |
| <p>8. Exposure controls and personal protection</p> <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. | | | | | | | | | | | | | | | | | | |
| <p>9. Physical and chemical properties and test results MDSS.</p> <table border="0"> <tr> <td>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> <tr> <td>Change in condition</td> <td></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> <tr> <td>Flash point:</td> <td>Not applicable</td> </tr> <tr> <td>Self-inflammability:</td> <td>Product is not selfigniting</td> </tr> <tr> <td>Danger of explosion:</td> <td>Product is not explosive</td> </tr> </table> | From: | Solid | Colour: | According to product specification | Smell: | Characteristic | Change in condition | | Melting point/Melting range: | Not determined | Boiling point/Boiling range: | Not determined | Flash point: | Not applicable | Self-inflammability: | Product is not selfigniting | Danger of explosion: | Product is not explosive |
| From: | Solid | | | | | | | | | | | | | | | | | |
| Colour: | According to product specification | | | | | | | | | | | | | | | | | |
| Smell: | Characteristic | | | | | | | | | | | | | | | | | |
| Change in condition | | | | | | | | | | | | | | | | | | |
| Melting point/Melting range: | Not determined | | | | | | | | | | | | | | | | | |
| Boiling point/Boiling range: | Not determined | | | | | | | | | | | | | | | | | |
| Flash point: | Not applicable | | | | | | | | | | | | | | | | | |
| Self-inflammability: | Product is not selfigniting | | | | | | | | | | | | | | | | | |
| Danger of explosion: | Product is not explosive | | | | | | | | | | | | | | | | | |

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| Density in Miscibility with Water: | Unsoluble |
| Test Results Shape of Ball | |
| General Appearance | No cracks, tears and leakage of the extinguishing agent |
| Extinguishing agent contained inside | |
| Fire extinguishing balls | No agglomeration |
| Thermal resistance test | No cracks, tears and leakage of the extinguishing agent |
| Test of burst effect. | No be cracks and broken of glass |
| Sound level test, dBC. | 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: | |
| No decomposition if used according to specifications. | |
| Dangerous reactions | No dangerous reactions known |
| Dangerous products of compositions: | No dangerous decomposition products known |
| 11. Toxicological information | |
| Acute toxicity: | |
| Primary irritant effect: | |
| On the skin: | No irritant effect. |
| On the eye: | No irritant effect. |
| Sensitization: | No sensitizing effect 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. |

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| Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. | |
| 14. | Transport information |
| No Hazardous product. | |
| 15. | Regulatory information |
| 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). Code letter and hazard designation of product: Nicht eingestuft. National regulations Classification according to VbF: Void Water hazard class: Generally not hazardous for water. | |
| 16. | Other information: |
| 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. | |
| Main Component: | |
| 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 not toxicological objections when handling Mono Ammonium Phosphate and during the application in case of fires. |



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| Durability: If properly stored—even over a longer period—the efficiency of the powder is suffering. The appearance of lumps caused by storage pressure will disappear once the powder is moved. | |
| Defect itself: When the Fire Extinguisher Ball is into firing, it will defect of itself into firing. | |
| Fuse + Breaker in rubber tube: Of Fire Extinguisher Ball | |
| Film: | PVE/PVE |
| Foam: | Greenhouse effect |
| Contact: SIAM SAFETY PREMIER CO., LTD. | |
| Technical alteration reserved. This edition cancels all previous data sheets. | |

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