



# SAFETY DATA SHEET

## Regulation CE 1907/2006

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<p><b>1. Substance and company's identification</b> <i>Substance and company's identification</i> Commercial name: <b>QFIRE-55 (ABC 55)</b> <i>Use of the substance or preparation:</i> Fire extinguishing powder for fires ABC and E (in the presence of electric current). <i>Company's identification:</i> QUIMICA 21, S.L. Polígono Industrial Puente Alto, Calle N, nº 2, 4 y 6 03300 Orihuela (Alicante) – SPAIN Telephone: (+34) 966 742 380 Fax: (+34) 966 742 372 Competent Technician : <a href="mailto:laboratorio@quimica21.es">laboratorio@quimica21.es</a> <i>Emergency information:</i> (+34) 966 742 380, available during working time (09-14; 16-19)</p>												
<p><b>2. Hazards Identification</b> No registered hazards <i>Hazards Marking:</i> Following available data, it's not a hazardous product according to the Directive 67/548/CEE and the regulation (CE) Nº 1272/2008.</p>												
<p><b>3. Composition/content information</b> <i>Goods designation:</i> mix of substances</p> <table border="1"><thead><tr><th><u>Usual Chemical Name</u></th><th><u>CAS Number</u></th><th><u>Nº EINECS</u></th><th><u>Nº REACH</u></th></tr></thead><tbody><tr><td>Mono ammonium phosphate</td><td>7722-76-1</td><td>231-764-5</td><td>01-2119488166-29</td></tr><tr><td>Ammonium sulphate</td><td>7783-20-2</td><td>231-984-1</td><td>01-2119455044-46</td></tr></tbody></table>	<u>Usual Chemical Name</u>	<u>CAS Number</u>	<u>Nº EINECS</u>	<u>Nº REACH</u>	Mono ammonium phosphate	7722-76-1	231-764-5	01-2119488166-29	Ammonium sulphate	7783-20-2	231-984-1	01-2119455044-46
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<p><b>4. First Aids</b> <i>General notes:</i> In case of accident or discomfort call a doctor and in case of unconsciousness do not provide anything orally. <i>On inhalation:</i> In case of powder release from the product there may appear some annoyances such as coughs or sneezes. Eventually bring the person outdoors. <i>On contact with eyes:</i> Possible trouble due to foreign bodies. Wash the open eyelid thoroughly with water. In case of persistent trouble, contact the Oculist. <i>On contact with skin:</i> Wash with water and soap. <i>On ingestion:</i> Thoroughly wash the mouth and drink water. Request medical assistance if necessary.</p>												
<p><b>5. Fire fighting measures</b> <i>Adequate extinguishing media:</i> No specific measures are required since this product is an extinguishing agent. <i>Extinguishing medias which must not be used for safety reasons:</i> N.A. <i>Special risk due to the substance, its combustion by-products or released gases:</i> Low risk. The product should not be inhaled either its by-products of decomposition. <i>Special protective equipment for fire-fighters:</i> In case of fire, wear self-contained breathing apparatus and full protective clothing.</p>												
<p><b>6. Accidental release measures</b> <i>Individual precautions:</i> Personal protection equipment advisable: Anti-dust face mask. Keep away from any incompatible material such as alkaline compounds or caustic products.</p>												

N. A.: not applicable

N. D.: not defined



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*Precautions for environment protection:*

Avoid contamination of drainages channels, superficial waters and groundwaters.

*Cleaning methods:*

Gather mechanically and put it into an adequate recipient. Remove remains with water.

### 7. Handling and storage

*Handling:*

If necessary:

Local or general ventilation.

Handle with care avoiding dust generation.

Use appropriate personal protection equipment.

*Storage:*

Keep, if possible, in the original packing and closed.

Keep in a dry place and at ambient temperature.

Avoid accumulation of electrostatic charges.

Keep away from alkali compounds.

*Specific uses:*

Fire extinguishing powder for fires ABC and E (in the presence of electric current).

### 8. Exposition controls/ personal protection

*Exposition limits:*

No specific TLV established for the product. Following data can be applied as a guide:

TLV/TWA: 10 mg/m<sup>3</sup>, total powder (ACGIH ^92/^93)

STEL: N.D.

PEL: N.D.

*Expositions controls:*

*Individual protection measures:*

*Respiratory protection :*

In case that limits concerning working place are exceeded, use anti-dust face-masks.

Note national regulations.

*Hands protection:*

Use protective gloves.

*Skin protection:*

Use long-sleeved shirts.

Use security shoes.

*Eyes protection:*

Use security glasses whether closed or with side protection.

*Environmental Protection*

See section 6

### 9. Physical and chemical properties

*General information:*

*Appearance:* free flow solid powder.

*Colour:* several.

*Odour:* odourless.

*Important information about health, safety and environmental*

*Value pH :* (1% aqueous) 4.4-6.0

*Boiling point:* N.D.

*Flash Point:* N.A.

*Inflammability:* N. A.

*Explosive properties:* N. A.

*Combustion properties:* N. A.

*Vapour pressure:* N. A.

*Relative density:* 1.65-1.85

*Solubility:* N.A.

*Solubility in water:* N.D.

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<p><i>Distribution coefficient (n- octane/water):</i> N.A. <i>Viscosity:</i> N.A. <i>Density of vapour:</i> N.A. <i>Velocity of evaporation:</i> N.A <i>Others data:</i> There is no additional relevant information.</p>
<p><b>10. Stability and reactivity</b> Stable at normal temperature and pressure (see Paragraph 9). <i>Conditions to be avoided:</i> From 190°C it loses ammonia molecules finally providing phosphorus pentoxide. <i>Materials to be avoid:</i> It may release ammonia when in touch with alkali compounds. Avoid strong oxidising agents. Aluminium: may corrode. Lead: may corrode. Magnesium: may evolve ammonia. Methenamine: evolves formaldehyde, highly toxic. Sodium hypochlorite (bleach): decomposes on contact with toxic gas . Steel: may corrode Nitrite salts: violent explosion if melted. Potassium chlorate: violent reaction. <i>Hazardous decomposition products:</i> Ammonia.</p>
<p><b>11. Toxicological information</b> Powdery material. <i>Primary irritant effect on the skin:</i> slightly irritant <i>Primary irritant effect on the eyes:</i> slightly irritant <i>Experiences in humans:</i> No silicosis or other specific respiratory diseases have been observed while handling this product. <i>Long term tests:</i> No negative effects observed. No irreversible alterations either evidences of silicosis, have been observed after performing tests concerning the possibility of chronic toxicity by inhalation (see Paragraph 8).</p>
<p><b>12. Ecological information</b> <i>Ecotoxicity test EC<sub>50</sub> after 15' (mg/ml):</i> Photobacterium Phosphoreum 34800 &lt; EC<sub>50</sub> &lt; 54200 <i>Mobility:</i> N. D. <i>Absorption/Desorption:</i> N.D. <i>Persistence and degradability:</i> N.A. <i>Bioaccumulation potential:</i> N.A. <i>Results of PBT assessment:</i> N. A. <i>Other negative effects:</i> <i>Aquatic toxicity :</i> Acute toxicity in fishes: NOEC (96h) &gt;= 500000 mg/L (bibliography) Acute toxicity in Daphnias: NOEC (24h) &gt;= 500000 mg/L (bibliography) <i>Destruction of the ozone layer:</i> N.A. <i>Photochemical ozone creation Potential:</i> N.A. <i>Global warming potential:</i> N.A.</p>

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### 13. Disposal considerations

*Product:*

It can be stored in controlled waste disposals, meeting necessary technical requirements, after having contacted person concerned for disposal and appropriate authorities.

*Packaging:*

It can be disposed with household waste.

*Waste codes should be assigned by the user based on the application for which the product is employed. Follow the Community, national, regional or local regulations.*

### 14. Transport information

*ONU number:* not assigned

*Packing group:* none

*Road and rail transport:*

*TPC/TPF:* not restricted

*ADR/RID:* not restricted

*Maritime transport:*

*IMDG/IMO:* not restricted

*Air transport:*

*ICAO/IATA:* not restricted

### 15. Regulatory information

Based on the data we have, is not a dangerous substance according to Directive 67/548/CEE and Regulation (CE) N° 1272/2008.

There has been no evaluation of chemical safety.

*Hazard Symbols:* N. A.

*Risk Phrases:* N. A.

*Safety Phrases:* N. A.

*Water Law:* The discharge of wastewater containing phosphorus is regulated by law.

### 16. Other information

**All the information shown in this document is, according to the Company's knowledge, true and correct**

End of document.

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N. D.: not defined