



SAFETY DATA SHEET

Form n. POLV40-POL/FIR SUPER

Rev.3 of 21/10/09

1 - IDENTIFICATION OF PRODUCT AND MANUFACTURER

- 1.1 Trade Name: **ABC-E POWDER POL/FIRE SUPER**
1.2 Use of the substance: Dry extinguishing powder
1.3 Manufacturer details: MEGAVIT S.r.l.
Via Castelletti, 8 – Zona Artigianale
26037 San Giovanni in Croce (CR)
1.4 Tech competent: e-mail: tecnico@megavit.com
1.5 Communication: Tel. 0375/91275 r.a. fax 0375/91888
Web site: www.megavit.com
1.6 Emergency phone number: 0375/91275

2 - HAZARDS IDENTIFICATION

- 2.1 Preparation does not fall under the category of danger according to the directives 67/548/CEE, nor subsequent modifications.

Regulation n° 1907/2006 (REACH) and subsequent modifications/integrations.

3 - COMPOSITION / INFORMATION OF THE COMPONENTS

| <u>Components</u> | <u>n° CAS</u> | <u>n° Eines</u> | <u>Molecular formula</u> | <u>Conc</u> |
|------------------------|---------------|-----------------|--|-------------|
| Monoammonium phosphate | 7722-76-1 | 231-764-5 | (NH ₄)H ₂ PO ₄ | 40% |
| Ammonium sulphate | 7783-20-2 | 231-984-1 | (NH ₄) ₂ SO ₄ | 50% |
| Additives | --- | --- | --- | --- |



4 - FIRST AID MEASURES:

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| 4.1 General indication: | In case of accident or malaise consult a doctor and in case of unconsciousness do not administrate anything by mouth. |
| 4.2 Contact with skin: | Wash skin abundantly with water. Take off contaminated clothings. |
| 4.3 Contact with eyes: | Wash eyes abundantly with water. If necessary contact a doctor. |
| 4.4 Ingestion: | Consult a doctor and demonstrate the container or label of the product. S46 |
| 4.5 Inhalation: | Take the subject to an open space. If necessary consult a doctor. S38 |

5 - FIRE FIGHTING MEASURES

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| 5.1 Means of appropriate extinction: | The product is not flammable nor combustible. |
| 5.2 Means of extinguishing to avoid: | Wash your eyes immediately and abundantly with water. Consult a doctor if necessary. |
| 5.3 Products of combustion: | The product can release toxic gasses during combustion. |
| 5.4 Special equipments: | Use proper protective equipment with individual protection of the respiratory tract. Work upwind to avoid exposing to smoke and vapours. |

6 - ACCIDENTAL RELEASE MEASURES

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| 6.1 General information: | Use a suitable protective equipment, as indicated in section n. 8. |
| 6.2 Environment precautions: | Avoid to disperse to the environment. S61 |
| 6.3 Methods of cleaning: | Discard the waste product into a controlled dump. S56. |

7 - HANDLING AND STORAGE

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| 7.1 Handling: | This product does not present risks of acute irritation. It is all the same advisable to wear suitable protection features when handling it, as indicated in section n. 8. |
| 7.2 Storage: | Store in covered environments, keep away from atmospheric agents, basically from moisture. S8. |
| 7.3 Special uses: | Not applicable. |



8 - EXPOSURE CONTROLS

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| 8.1 Exposure limit values: | Not determined. |
| 8.2 Respiratory Protection: | Do not breathe dust, use a suitable mask. S22. |
| 8.3 Hand Protection: | Use suitable gloves when handling the powder. S37 |
| 8.4 Eyes Protection: | Use protective glasses. S39 |
| 8.5 Skin Protection: | Use gloves during use; avoid prolonged contact with skin. |
| 8.6 General protection / hygiene: | Don't eat nor drink during use. |

9 - CHEMICAL AND PHYSICAL PROPERTIES

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| 9.1 Aspect: | Crystalline solid. |
| 9.2 Odour: | Odourless. |
| 9.3 Colour: | White, colourable bleu-yellow |
| 9.4 pH: | Ca. 5.5 (dispersion at 5%). |
| 9.5 Melting point: | 170-190 °C. |
| 9.6 Boiling point: | Not applicable. |
| 9.7 Bulk density: | Ca. 0,9 g/cm ³ |
| 9.8 Solubility: | Insoluble in water. |

10 - STABILITY AND REACTIVITY

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| 10.1 Stability: | The product is stable in standard condition. |
| 10.2 Reactivity: | <p>The product reacts with oxidizing agents..</p> <p>The combustion produces phosphoric anhydride and ammonia. P₂O₅ produced on combustion has bad toxic characteristics being a corrosive substance and irritating to the mucous membranes, so in the toxicological evaluations of the product, the benefit related to its fire fighting action should be taken into consideration.</p> <p>It must be noted that the quantity of P₂O₅ generated from the combustion is well below the threshold value of 1 mg/mc of air recommended by American Conference of Government Hygienists (ACGIH) for the working places. As for ammonia, its concentration is well within the acceptable limits (classification Hendersoned Hoggard – Patty's Industrial Hygiene and Toxicology).</p> |



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| 11 - TOXICOLOGICAL INFORMATION | |
| 11.1 Oral acute toxicity: | DL50 (rat) 2500 mg/Kg |
| 12 - ECOLOGICAL INFORMATION | |
| 12.1 Ecotoxicity: | The preparation has low intrinsic toxicity to aquatic life, but it can encourage phenomenal of eutrophication. |
| 12.2 Biodegradability: | The salts of ammonium and phosphates, if dispersed in large quantities, are dangerous for aquatic environments. N.A. |
| 13 - DISPOSAL CONSIDERATIONS | |
| 13.1 Dispositions and considerations: | Code CER 160509. Handling of product: Check section n. 7. Pick up the product and dispose in an authorized dump according to regulations in force. |
| 14 - TRANSPORT INFORMATION | |
| 14.1 Road transport - ADR: | Not subject to regulations on the transport. |
| 14.2 Maritime transport – INDG: | --- |
| 14.3 Air transport – IATA: | --- |
| 14.4 Railway transport – RID: | --- |
| 15 - REGULATORY INFORMATION | |
| 15.1 Symbol of danger : | The product does not require labelling of danger. |
| 15.2 Contains: | See section n. 3 of voice components. |
| 15.3 Risk phrases: | --- |
| 15.4 Safety advice: | S 61 Avoid discharging to the environment. |



16 - OTHER INFORMATIONS

16.1 This product must be stored, handled and used according to the hygiene and security standards, and in conformity to the regulations in force.

The information included in this safety data sheet are based on currently available data.

In case of use of the product in anyway not conforming to the present cars or in any other process, the responsibility shall fall on the user.

