

**1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY**

Product Name: Fidelity 25 Alginate  
Product Code: 858, 857

Application: Alginate based powder. Dust free dental impression material.

Company: Davis Schottlander & Davis Ltd  
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**2. HAZARD IDENTIFICATION**

**Classification:** This product is not classified according to EU legislation. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Human health hazards:** Irritating to eyes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Ingredient                      | CAS Number | %   | Classification |
|---------------------------------|------------|-----|----------------|
| Magnesium oxide                 | 1309-48-4  | 1-5 |                |
| Tetrasodium<br>Pyrophosphate    | 7722-88-5  | 1-3 | H302, H312     |
| Potassium<br>Hexafluorotitanate | 16919-27-0 | 1-2 | H302, H318     |

Refer Section 15

**4. FIRST AID MEASURES**

**Ingestion:** No known significant effects or critical hazards. If you feel unwell seek medical attention.

**Skin contact:** Wash contaminated skin with soap and water.

**Eye contact:** Rinse with plenty of running water. Get medical attention if irritation occurs.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Special exposure hazards:** In a fire hazardous decomposition product may be produced.

**Hazardous thermal decomposition products:** Decomposition temperature  
Potassiumhexafluorotitanate = 780°C => HF

**Special protective equipment for fire-fighters:** Wear appropriate respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Personal precautions:</b>      | Wear suitable gloves and eye/face protection.  |
| <b>Environmental precautions:</b> | Avoid release to the environment.  |
| <b>Methods for cleaning up:-</b>  |  |
| <b>Small spill:</b>               | Use a shovel to transfer the material to a convenient waste disposal container.  |
| <b>Large spill:</b>               | Avoid creating dusty conditions and prevent wind dispersal. Wear appropriate respiratory protection. Use a shovel to transfer the material to a convenient waste disposal container. |

## 7. HANDLING AND STORAGE

|   |   |
|---|---|
| <b>Handling:</b>                        | Prevent formation of dust.  |
| <b>Storage:</b>                         | No specific storage is required.  |
| <b>Recommended Packaging materials:</b> | Use original container.   |
| <b>Exposure Scenario information:</b>   | The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|   |   |
|---|---|
| <b>Occupational exposure controls:</b>  | Prevent formation of dust.  |
| <b>Respiratory protection:</b>          | A respirator is not needed under normal and intended conditions of product use. |
| <b>Hand protection:</b>                 | PVC gloves. Nitrile gloves.   |
| <b>Eye protection:</b>                  | Safety glasses.   |
| <b>Skin protection:</b>                 | Lab coat.   |
| <b>Environmental exposure controls:</b> | Do not allow to enter drains or watercourses.                                   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                 |
|---|---------------------------------|
| <b>Physical state:</b>                      | Solid (powder).                 |
| <b>Colour:</b>                              | Rose.                           |
| <b>Relative density:</b>                    | Not determined.                 |
| <b>Solubility:</b>                          | Partially soluble in water.     |
| <b>Octanol/water partition coefficient:</b> | Not determined.                 |
| <b>Auto-ignition temperature:</b>           | Not considered to be flammable. |
| <b>Odour:</b>                               | Fruity.                         |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Chemical stability:</b>                 | The product is stable.                            |
| <b>Possibility of hazardous reactions:</b> | None.   |
| <b>Conditions to avoid:</b>                | None.   |
| <b>Materials to avoid:</b>                 | No known significant effects or critical hazards. |
| <b>Hazardous decomposition products:</b>   | None.   |

## 11. TOXICOLOGY INFORMATION

|                    |   |
|--------------------|---|
| <b>Inhalation:</b> | The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines. |
|--------------------|---|

# SAFETY DATA SHEET

**Ingestion:** No known significant effects or critical hazards.  
**Skin contact:** Non-irritating (EU).  
**Eye contact:** Irritating to eyes.  
**Chronic effects:** No known significant effects or critical hazards.  
**Carcinogenicity:** No known significant effects or critical hazards.  
**Mutagenicity:** No known significant effects or critical hazards.  
**Teratogenicity:** No known significant effects or critical hazards.  
**Developmental effects:** No known significant effects or critical hazards.  
**Fertility effects:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental effects:** Water hazard Class 1 (German Regulation) (Self assessment): Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Smaller quantities can be disposed of with household garbage  
**European Waste Catalogue (EWC):** Non-dangerous substance.  
**Hazardous waste:** Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. TRANSPORT INFORMATION

### International Transport Regulations:

| Regulatory Info | UN No.        | Proper Shipping Name | Classes                                | PG* | Label | Additional info |
|-----------------|---------------|----------------------|--|-----|-------|-----------------|
| ADR/RID Class   | Not regulated | -                    | Not controlled under European ADR      | -   | -     | -               |
| ADN/ADNR Class  | Not regulated | -                    | Not controlled under ADN/ADNR (Europe) | -   | -     | -               |
| IMDG Class      | Not regulated | -                    | Not controlled under IMDG              | -   | -     | -               |
| IATA Class      | Not regulated | -                    | Not controlled under IATA              | -   | -     | -               |

## 15. REGULATORY INFORMATION

H302: Harmful if swallowed  
H318: Causes serious eye injury

## 16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.

Version Control V2.0 template issue raised to align with CLP clarifications.