

**MATERIAL SAFETY DATA SHEET**  
**Operating powder for the Miniblaster units**

**SECTION I – GENERAL INFORMATION**

**Manufacturers Name:** Deldent Ltd.  
19 Keren Kayemet Street  
Petach Tikva / ISRAEL  
**Telephone:** 972 3 9049668  
**Company Contact:** Dr. Alan Edel  
**Date (Revised):** 1.1.2009  
**Product/Trade Name:** FUSED ALUMINIUM OXIDE  
**Chemical Family:** Refractory Oxide  
**Synonyms:** ALPHA ALUMINA  
**Formula:** AL<sub>2</sub>O<sub>3</sub>

**SECTION II – HAZARDOUS COMPONENTS**

**SECTION III– PHYSICAL DATA**

**Melting Point** 3700 degrees F (2038 degrees C)  
**Specific Gravity:** 3.97 gm/cc  
**Hardness:** 9/Mohs scale; Knoop scale  
**Water Solubility:** Insoluble in water and organic solvents  
**PH:** 7-8  
**Color:** Light brown or white  
**Odor:** None, odorless

**SECTION IV – FIRE AND EXPLOSION DATA**

Non-flammable; does not support combustion. Not an explosion hazard.

**SECTION V – HEALTH DATA**

CHEMICAL NAME	C.A.S. NO.	PERCENT	LIMITS FOR AIR TWA Mg/M3	CONTAMINANTS
Alpha Alumina (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	99+%		
Total Dust			10(e)	15
Respirable Fracation			5	5

**Source of Exposure Limit Data**

ACGIH Threshold Limit Values  
OSHA Tables: Z-1-A, Z-2, Z-3

Possible effects of overexposure: Individuals with lung disorders should not be exposed to conditions where large airborne quantities of the nuisance dust exist without precautions taken to alleviate the aggravated pre existing medical conditon.

**Inhalation:** Choking sensation, respiratory system passage ways irritation.  
**Skin Contact:** No evidence of adverse effects expected.  
**Eye Contact:** May cause irritation  
**Swallowing:** Non-toxic. May cause irritation of the throat and digestive passageways.

Carcinogen: No evidence of Carcinogenicity

#### **SECTION VI – REACTIVITY DATA**

None with water, air, heat or strong oxidizers.

#### **SECTION VII– ENVIRONMENTAL**

Waste may be considered as inert material.

#### **SECTION VIII- HANDLING, STORAGE, TRANSPORTATION**

Stable under normal conditions of use, transportation and storage. Spill leak and disposal.  
Avoid dust during clean up.

#### **SECTION IX – SPECIAL PRECAUTIONS**

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

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