

# MATERIAL SAFETY DATA SHEET

**INGRITECH**

SUPPLIES AND RAW MATERIALS FOR INDUSTRY

## Material: BROWN ALUMINIUM OXIDE (BFA)

### Section I. Identification of the Substance and of the Company

Product Name: Brown Fused Aluminium Oxide (BFA)  
Distributor: GloryWinSun OLEKSANDR TUPYTSIA  
Headquarter: Nadbystrzycka 6, 20-618 Lublin  
Storage & Logistic: Stasin 67, 21-030, POLAND  
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### Section II. Physical and Chemical Properties

<input type="radio"/> Shape:	Solid angular particles	<input type="radio"/> Chemical Composition:	<input type="radio"/> FEPA (F)	Mesh №	Size (mm)
<input type="radio"/> Color:	Brown	<chem>Al2O3</chem> - 88,0–99,0 %	<b>F24</b>	20–40	0.60–0.85
<input type="radio"/> Odor:	None	<chem>Fe2O3</chem> - 2,0–3,0 %	<b>F36</b>	30–50	0.425–0.60
<input type="radio"/> Solubility in Water:	Insoluble in water	<chem>TiO2</chem> - 3,0–5,0 %	<b>F46</b>	36–54	0.30–0.425
<input type="radio"/> Hardness:	9.0 (Mohs scale)	<chem>SiO2</chem> - 2,0–3,0 %	<b>F60</b>	45–60	0.212–0.30
<input type="radio"/> Microhardness:	1800 - 2400 kgf/mm <sup>2</sup>	<chem>CaO</chem> - 0,6–0,8 %	<b>F80</b>	54–70	0.18–0.212
<input type="radio"/> Density:	(approx.) 4 g/cm <sup>3</sup>	<chem>MgO</chem> - 0,3–0,5 %	<b>F100</b>	70–100	0.15–0.18
<input type="radio"/> Gravity:	(approx.) 4.6 gr/cc	<chem>C</chem> - 0,3–0,4 %	<b>F120</b>	80–120	0.125–0.15
<input type="radio"/> Fusing Point:	(approx.) 3722°F   2050°C		<b>F150</b>	100–140	0.106–0.125
<input type="radio"/> Modulus of elasticity:	7.6 × 10 <sup>11</sup> N/m <sup>2</sup>		<b>F180</b>	120–140	0.09–0.106
			<b>F220</b>	140–170	0.063–0.09

Packaging: bags of 25 kg, on a pallet of 1000 kg or big bags on a pallet of 1000 kg

Country of origin: Ukraine

### Section III. Fire and Explosion Hazard Information

Not combustible in air.

No explosion hazard.

### Section IV. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Contact with water.

### Section V. Health Hazards Data

Potential Health Effects:

Eye: No hazard

Skin: No hazard

Ingestion: No hazard

### Section VI. First Aid Measures

No hazard.

### Section VII. Exposure Control

Engineering Controls: Stable

### Section VIII. Personal Protection

Use with protection equipment.

### Section IX. Handling

Normal running.

### Section X. Storage

The product must be kept dry.

### Section XI. Transport Information

No information available.

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