

MATERIAL SAFETY DATA SHEET

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
Phone: +48 733 787 564 (Aleksander Abramov)
Email: kontakt@ingritech.pl
Website ingritech.pl



Section II. Physical and Chemical Properties

<div>○ Shape: Solid angular particles</div> <div>○ Color: Brown</div> <div>○ Odor: None</div> <div>○ Solubility in Water: Insoluble in water</div> <div>○ Hardness: 9.0 (Mohs scale)</div> <div>○ Microhardness: 1800 - 2400 kgf/mm²</div> <div>○ Density: (approx.) 4 g/cm³</div> <div>○ Gravity: (approx.) 4.6 gr/cc</div> <div>○ Fusing Point: (approx.) 3722°F 2050°C</div> <div>○ Modulus of elasticity: 7.6 × 10¹¹ N/m²</div>	<div>○ Chemical Composition:</div> <div><div>Al2O3 - 88,0– 99,0 %</div><div>Fe2O3 - 2,0 – 3,0 %</div><div>TiO2 - 3,0 – 5,0 %</div><div>SiO2 - 2,0 – 3,0 %</div><div>CaO - 0,6 – 0,8 %</div><div>MgO - 0,3 – 0,5 %</div><div>C - 0,3 – 0,4 %</div></div>	<div>○ FEPA (F)</div> <div><div>F24 20–40 0.60–0.85</div><div>F36 30–50 0.425–0.60</div><div>F46 36–54 0.30–0.425</div><div>F60 45–60 0.212–0.30</div><div>F80 54–70 0.18–0.212</div><div>F100 70–100 0.15–0.18</div><div>F120 80–120 0.125–0.15</div><div>F150 100–140 0.106–0.125</div><div>F180 120–140 0.09–0.106</div><div>F220 140–170 0.063–0.09</div></div>
<div>○ Packaging: bags of 25 kg, on a pallet of 1000 kg or big bags on a pallet of 1000 kg</div> <div>○ Country of origin: Ukraine</div>		

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 Con

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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