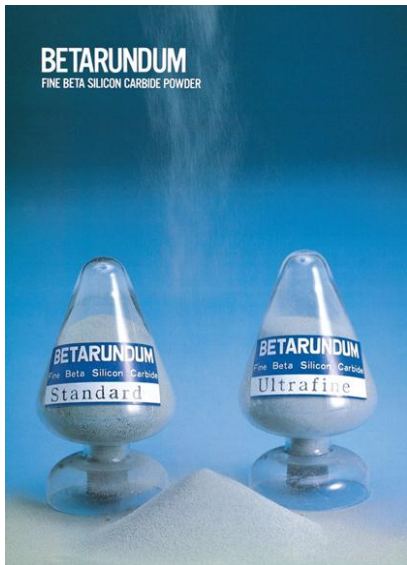


Registration No.	Number 00125		
Registration Date	September 10, 2013	Registration Category	Category 1

Name (Model, etc.)	BETARUNDUM
Location	Ogaki City,Gifu Pref IBIDEN CO., LTD.
Owner (Custodian)	IBIDEN CO., LTD.
Manufacturer (Company)	IBIDEN CO., LTD.
Year Manufactured	1979
Year First Appeared	1979
Reason For Selection	Silicon carbide powder had generally been manufactured by pulverising and categorising aggregate α silicon carbide synthesized in an Acheson electrical resistance furnace. In 1973, the previously problematic continuous production of silicon carbide was made possible under certain restricted conditions. While attempting to establish ferrosilicon production technology, researcher found that β silicon carbide was highly pure and ultra-fine. In April 1974, a full-scale study on it began. In August 1979, technology was able to produce β silicon carbide stably and continuously; once it was made commercially available, its superior characteristics were put to good use. The powder was used in fine abrasives, dispersion plating, sealants, etc., while the sintered compact was used as a new ceramic product, Ibiceram, with superior hot strength, sliding properties and chemical resistance. It drew much attention for its use in mechanical seals and bearings, etc. Furthermore, its applications for research on porous objects provided a starting point for subsequent SiC-DPF research.
Registration Standard	1 - B

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Photo	
Other useful information	