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TECHNICAL DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Product name: **F6316**
Type: Mono-constituent substance
Color index: Iron oxide black : PBk11-77499
Cas n°: 12227-89-3
EINECS n°: 215-277-5
Use: Colorants (pigments and dyestuffs), inorganic

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	EINECS	Conc. (%)	Remarks
Fe3O4	12227-89-3	215-277-5	>95%	

3.PHYSICAL AND CHEMICAL PROPERTIES (GUIDE VALUES)

Physical state: Solid. [powders]
Colour: Black
Rel. tinting strenght: +- 5%
pH: 4 to 8 [Conc. (% w/w): 5%]
Density : 5 g/ml (20 ℃)
Tamped density: 1 g/ml
Solubility: Insoluble in the following materials: cold water
Water soluble content: max. 0,4%
Moisture content: < 1%
Oil absorption: 20 g/100g
Predom. particle size: 0,3 µm
Sieve residue: 0,5% on 0,045 mm sieve
Melting point: >1000℃

4. PROPERTIES (full tone) - (1-5 scale, except light fastness 1-8 scale)

Light fastness:	8	**Acid resistance:**	5
Weatherings fastness:	5	**Alkali resistence:**	5
Temperature fastness:	> 1000℃		

5. GENERAL STORAGE CONDITIONS

General: Shelf life is minimum 5 years, if stored under the correct conditions.
Storage conditions: Store in a dry place and avoid extreme fluctuations in temperature.
Close bags after use to prevent the absorption of moisture and contamination.

Notice

The data given here is based on current knowledge and experience. The purpose of this Technical Datasheet is to describe the products in terms of their properties. The above details do not imply any guarantee concerning composition, properties or performance. The client should test the product, several elements might affect the use and the applications. Existing laws and directives have to be respected by the client under his own responsibility.