313 Winter St
PO BOX 367
(800)669-5043

TECHNICAL DATA SHEET
Super RS220 Catalyst

Applications

- Catalyst for addition and substitution reactions (e.g. hydrolysis, aldolization, isomerization)
- Promoter for reduction and oxidation reactions (e.g. Claus catalysis, SCR, hydration, selective oxidation)
- Catalyst support – resistant to acids, bases and solvents

Properties

- Is an ultrafine TiO2 in the form of powders, granules or suspensions
- Adsorbs organic and inorganic molecules and catalyses their conversion
- Is resistant to gases, solvents, high temperatures and pH values between 3 and 11
- Possesses enhanced mechanical strength

Technical Data Parameter

Item	
Specific Surface Area	299.04
105°C Volatile Matter (%)	15.65
Loss on Ignition (after 105°C treatment, then 1000°C for 1h) (%)	10.77
TiO_2 (%)	88.02
SO_4^{2-} Content (%)	1.98
Aqueous Suspension pH	7.14
Fe_2O_3 Content (%)	0.0057
Particle Size D50 (µm)	0.96
Particle Size D90 (µm)	1.49

Safety

Good industrial hygiene practice should be used, generation of dust should be avoided. Please refer to the Safety Data Sheet for more information about how this product should be handled.

Storage

This product should not be stored outside or exposed to temperature extremes or to moisture. To ensure optimum performance, it is recommended that the product is used on a first in, first out basis from receipt of shipment.

Food Contact

Customers should seek confirmation of compliance with specific regulations by contacting Superior Mineral Solutions.

Packaging

Superior Mineral Solutions titanium dioxide pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

Disclaimer

Superior Mineral Solutions LLC certifies the above product meets the agreed upon performance specifications. Superior Mineral Solutions LLC is not responsible for the misuse and subsequent product failure. No warranty is expressed or implied in such instances. All products utilized in conjunction with (Product Code(s)) need to be tested in advance to ensure compatibility. Users assume all risk with such endeavors. Consult the Safety Data Sheet for specific hazards.

Technical Data Sheet Revised 10/2025