

**USIQUÍMICA****PRODUCT SPECIFICATION****EP 153****REV 01****IDENTIFICATION**

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Chemical Name</b> | Precipitated Silica ZQ356K           |
| <b>Formula</b>       | SiO <sub>2</sub> · nH <sub>2</sub> O |
| <b>CAS No.</b>       | 7631-86-9                            |

**PHYSICO-CHEMICAL CHARACTERISTICS**

|                            |                    |                |                |                                                  |
|----------------------------|--------------------|----------------|----------------|--------------------------------------------------|
| <b>Aspect</b>              | White granules.    |                |                |                                                  |
| <b>Feature</b>             | <b>Unit</b>        | <b>Minimum</b> | <b>Maximum</b> | <b>Method</b>                                    |
| Specific surface CTAB      | m <sup>2</sup> /g  | 160            | 190            | Technical specification of the product supplier. |
| Silicon Dioxide            | %                  | 95,0           | 98,0           |                                                  |
| Heat loss (105°C/2h)       | %                  | 5,0            | 8,0            |                                                  |
| Loss on ignition           | %                  | -              | 7,0            |                                                  |
| Soluble iron               | mg/kg              | -              | 500            |                                                  |
| Absorption value of DBQ    | cm <sup>3</sup> /g | 2,00           | 3,00           |                                                  |
| pH (Aqueous Solution 10%)  | ppm                | 5,5            | 7,0            |                                                  |
| Soluble substance in Water | %                  | -              | 2              |                                                  |

**MAJOR APPLICATIONS**

Rubber industry and rubber processing industry

**OTHER INFORMATION**

|                           |                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN No.</b>             | Product not included in the Resolution in force on the transport of dangerous products.                                                                     |
| <b>No. of Risk</b>        | Product not included in the Resolution in force on the transport of dangerous products.                                                                     |
| <b>Packaging</b>          | 25 kg package.                                                                                                                                              |
| <b>Care</b>               | Although not classified, this product may cause irritation to the skin and respiratory tract. When handling the product, use PVC gloves and safety glasses. |
| <b>Storage</b>            | Keep stored in an open, covered, ventilated place, away from heat sources and ignition.                                                                     |
| <b>Validity</b>           | 12 months, provided that the guidelines prescribed on the packaging are followed.                                                                           |
| <b>Legal Requirements</b> | Product not included in the Resolution in force on the transport of dangerous products.                                                                     |

|                  |             |                                                 |
|------------------|-------------|-------------------------------------------------|
| <b>Datasheet</b> | <b>Code</b> | <b>Description</b>                              |
|                  | 287.35.2    | PRECIPITATED SILICA ZQ356K - GRANULATED - 25 KG |

**CHANGE HISTORY**

|             |               |                                                               |
|-------------|---------------|---------------------------------------------------------------|
| <b>Date</b> | <b>Review</b> | <b>Comments on Amendments</b>                                 |
| -           | 00            | Initial issuance.                                             |
|             | 01            | Update in the specification according to the product offered. |