

## **i** GENERAL DESCRIPTION

Sulphuric acid is a colorless, oily liquid that is highly viscous and hygroscopic; it is corrosive and exhibits a strong affinity for water.

## **Q** TECHNICAL QUALITY CONDITIONS

No.	Characteristics	M.U.	Values	Test methods
1	Appearance	-	Oily liquid, clear or opalescent	visual
2	Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> ), min.	%	95	STAS 97
3	Turbidity, max.	TE	20	IL 003/2-32
4	Iron (Fe), max.	mg/kg	25	STAS 97
5	Ash, max.	mg/kg	25	STAS 97
6	Sulphur dioxide (SO <sub>2</sub> ), max.	mg/kg	20	STAS 97

## **📄** SPECIFIC PROPERTIES

Characteristics	Values
pH	0.3 (approx. 5%w/w)
Density at 20°C, g/cm <sup>3</sup>	approx.1.84
Freezing point	-15°C

The specific properties provided reflect approximate values and serve as general information that is not included in the technical quality conditions

## **🧪** APPLICATIONS

- in the production of fertilizers;
- in oil refining;
- in sulphonation processes;
- as an intermediate in chemical products syntheses;
- in metal surfaces treatment;
- in the processing of ores and minerals;
- wastewater treatment agent;
- dehydrating agent;
- process catalyst;
- pH correction agent.

## **📦** PACKING

Carbon-steel tanks/tankers; packaging made of materials resistant to the action of sulphuric acid - ecobulk - ADR compliant and approved.

## **🏠** STORAGE

Sulphuric acid must be stored in tightly closed containers made of carbon-steel, glass, ceramic or special plastics, in dry, properly ventilated, and cool areas at temperatures < 23°C, away from UV radiation and combustible or reducing substances.

## **🚚** TRANSPORT

Sulphuric acid can be transported in accordance with the transportation regulations for dangerous goods, hazard class 8, corrosive substances.

## **!** Methods for measuring the technical characteristics are available on request

All informations contained in this product data sheet is provided for your consideration, research and verification. For a better suitability of the product to your purpose, we recommend you carry out tests before using the product. We advise you to have your own decisions regarding safety, proper handling, storage, use and disposal. We expressly disclaim any liability for any loss, damage or expense resulting from reliance on the information provided herein. For more information, please refer to our safety data sheet.