

Product Data Sheet

Sulfuric Acid

Nomenclature	Sulfuric Acid				
Formula	H ₂ SO ₄				
Product Identification Number	UN 1830				
CAS Number	7664-93-9				
Molecular Weight	98.08				
Description	Sulfuric acid is a colorless, clear to hazy, odorless, oily looking liquid. It is produced by Nouryon in a virgin plant through the contact process starting with high purity sulfur.				
Available Grades and Strengths	Technical Grade (93%, 96%, and 98%) Electrolytic Grade (93%)				
Typical Composition	Parameter	93%	96%	98%	Test Method
	Strength (%)	93.2 – 94.2	95.0 – 96.0	98.0 – 99.0	QCL302
	Iron (Fe), ppm	40 max.	40 max.	20 max.	QCL308
Typical Properties	Color (APHA)	40 max.	40 max.	100 max.	QCL306
	Specific Gravity (60°F/60°F)	1.8354	1.8419	1.8424	QCL310
	Freezing Point	-20°F	6°F	40°F	-----
Shipping Containers	Tank cars (100 short tons net weight) Cargo tank trailers (24 short tons net weight)				
Uses	Fertilizer, Batteries, Chlorine Dioxide Generation, Effluent Treatment, Inorganic Pigments, Oxidizing and Dehydrating Agents, pH Adjustment, Water Treatment				