




Specification

Concerning Product:	
Article number	30111
Trade name / designation / denomination	Kolloidschwefel 50%
CAS number	7704-34-9
Other names / synonyms	•sulfur; •sulfur, precipitated, sublimed or colloidal;
EC number	231-722-6
EC index number	016-094-00-1
Molecular weight [g / mol]	32,07
Formula	S1 (bzw. S8)
Warning  1350, ADR/RID Kl. 4,1, III	
Causes skin irritation. Wash with plenty of soap and water.	

Parameter	Specification	Unit
Organoleptic test		
Appearance	Colloidal Sulfur 50 % is a very fine wet-milled Sulfur with a dispersing agent and is particularly suitable for the production of thin and transparent latex films.	
Colour	yellowish	
Physical parameter		
Density	20°C ≤ 1.37	g/cm
Form	viscous dispersion	
pH value	Konzentration: 1 % 9 – 11	
Boiling range	≤ 100	°C
Solubility	in Water: insoluble in Acetone: soluble	
Elemental Impurities		
Sulfur (S)	50 – 54	%
Particle size distribution		
Particles	≤ 5	µm

Supplemental information:

Derivation: sulfur dispersion in water

Note: Sulfur sediments originated during storage can be re-suspended by stirring or shaking.

Storage conditions: In original closed containers under cool (approximately 25 °C) conditions 365 days from date of production.

Packing: 60 l (82.8 kg) HDPE hobbock on 496.8 kg skid.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Nov. 2019

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