

	<b>SPOLSAN<sup>®</sup></b>
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CAS 7783-20-2 (ammonium sulfate)

ES number 231-984-1

### CHARACTERISTICS

SPOLSAN<sup>®</sup> is a trademark of SPOLANA, a.s. Neratovice.

SPOLSAN<sup>®</sup> is ammonium sulfate (ammonium salt of sulfuric acid). It contains at least 20.6 % of nitrogen in the form of  $\text{NH}_4^+$  and at least 23.5 % of sulfur in the form of  $\text{SO}_4^{2-}$ . Furthermore, it also contains a small amount of ammonium nitrate, concentration of which does not exceed 1.5 %. SPOLSAN<sup>®</sup> is obtained from sulphite lyes.

SPOLSAN<sup>®</sup> is superficially treated by an additive of a hydrophobization mixture of technical octadecylamine. Superficial treatment in the volume of 0.35 to 0.40  $\text{kg.t}^{-1}$  of SPOLSAN<sup>®</sup> protects against hardening and sintering during storage and transportation.

SPOLSAN<sup>®</sup> is a crystalline compound of a white color, which changes into a white-grey to pink-grey color with time. It dissolves in water very well. SPOLSAN<sup>®</sup> has a slight odor caused by the hydrophobization agent. When dissolved in water, it leaves an oily film on top of water.

SPOLSAN<sup>®</sup> is a registered nitrogen fertiliser. It is used as a laboratory chemical. Due to its characteristics, the chemical also prevents fires.

**SPOLSAN<sup>®</sup> has not been approved for being used in the food and pharmaceutical industries.**

SPOLSAN<sup>®</sup> is classified in accordance with Act No. 350/2011 Coll. (Chemical Act), Directive No. 1907/2006 (REACH) and Directive No. 1272/2008 (CLP), including their implementation regulations and, if applicable, legal regulations that may replace them in the future. The actual classification is stated on the appropriate safety sheet. **SPOLSAN<sup>®</sup> is not classified as a hazardous substance.**

When handling or working with SPOLSAN<sup>®</sup>, the occupational health and safety regulations stated in Chapter VI of the corresponding company standards and on the safety sheet shall be always observed.

SPOLSAN<sup>®</sup> is made in accordance with the valid technological, fire and safety documentation.

### TECHNICAL REQUIREMENTS

Quality sign	Unit	Values	It is tested in pursuant to
Ammonium nitrogen as N, min.	% of the weight.	20.6	SOP-A-169
Sulfur, min.	% of the weight.	23.5	SOP-A-169
Humidity, max.	% of the weight.	0.8	SOP-A-169
Free sulfuric acid, max.	% of the weight.	0.1	SOP-A-169
Fall-through ratio under 0.20 mm sieve, max.	% of the weight.	10.0	SOP-A-169
Presence of the hydrophobization mixture	-	satisfactory	SOP-A-169

The volume of the monitored foreign particles in SPOLSAN<sup>®</sup> must not exceed the values stated in the following table:

Quality symbol	Unit	Values	It is tested pursuant to
Cadmium (Cd), max.	mg/kg	1	SOP-A-170
Lead (Pb), max.	mg/kg	10	SOP-A-170
Chromium (Cr), max.	mg/kg	50	SOP-A-170
Mercury (Hg), max.	mg/kg	1.0	SOP-A-170
Arsenic (As), max.	mg/kg	10	SOP-A-170

Issue number / Revision number	Replaces the Material sheet from	In effect from:	Page 1 of 1
2	2015-12-01	2016-06-01	