Technical Data Sheet

Thio-Sul®

Ammonium ThioSulfate Solution

Specifications:

N (w/w)	12%
S (w/w)	26%

Typical properties / Additional information:

Appearance / Color	Clear to light yellow
Density (at 25 deg C)	1,33
Density (at 25 deg C) - range	1.32 - 1.35
pH	6.5 - 8.5
SO_3 (w/w)	64,9%
N (w/v)	16,0%
S (w/v)	34,6%
SO_3 (w/v)	86,3%
N (gram/liter)	160
S (gram/liter)	346
SO_3 (gram/liter)	863
Chemical Formula	$(NH_4)_2S_2O_3$

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Salt-out temperature	7 Deg C.
Odor	Odorless or Slight NH_3 odor
Heavy Metal - Cd (Cadmium)	< 1 ppm
Heavy Metal - Cr (Chromium)	< 1 ppm
Heavy Metal - As (Arsenic)	< 1 ppm
Heavy Metal - Pb (Lead)	< 1 ppm
Heavy Metal - Hg (Mercury)	< 0.1 ppm
Shelf life (see definition)	18 months from manufacture
Recommended storage conditions	> 8 Dec and <49 Deg C
	Store in sealed packaging that ensures safety of the product, in indoor ventilated areas. Store away from acidic substances, strong acids, alkali, metals. Keep away from open flame and sources of heat. Avoid direct sunlight.

Shelf Life definition:

Shelf life is defined as the period of time, from date-of-manufacture, that in-spec material, transported and stored under proper conditions, in moderate temperatures, and not subjected to any contamination, can be expected to meet the generic product specifications, subject to the other information in this document.

Warranty

The information contained herein is based on data which is believed to be accurate. However, no warranty of merchantability, fitness for use, or any other warranty is expressed or is to be implied concerning the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk for his use thereof.