



HIGH PERFORMANCE
LIQUID NITROGEN
WITH THIOSULFATE SULFUR





Tessenderlo Kerley International brings a unique range of high performance liquid, solid and soluble fertilizers for more precise plant nutrition to optimize crop yield and quality sustainably.

Thio-Sul® is a clear liquid ammonium thiosulfate solution that helps to increase yields by satisfying the essential need of crops for nitrogen and sulfur.

- Mixed with your nitrogen solutions, this is an effective and economical way of reducing nitrogen loss due to ammonia volatilization and slowing down nitrification
- 100% compatible with N solutions including UAN and liquid manures
- Liquid fertilizer without chloride
- Delivers sulfur in 100% liquid form

BENEFITS

Soil balance

- Reduces soil alkalinity
- Improves aeration of the soil
- Helps improve the decomposition of crop residues

Active thiosulfate benefits

- Increases chlorophyll content
- Assists the synthesis and functioning of enzymes and vitamins in the plant
- Optimizes fertilizer efficiency
- Improves availability of nutrients in the soil, particularly phosphorus and micronutrients

Nutrient uptake

- Is a highly efficient source of N and S, which are essential for all crops
- Increases nitrogen use efficiency (urea, ammonium, nitrates) via its N stabilizing effect
- Enhances crop protein content

Liquid fertilizer benefits

- Easy to handle and safe to use
- Cost effective and environmentally friendly
- Fully compatible with irrigation systems and sprayers
- Does not plug drip lines or spray nozzles

SPECIFICATIONS

- N (w/w) as ammoniacal nitrogen	12%
- S (w/w)	26%

TYPICAL PROPERTIES

- Appearance/color	Clear, colorless to light yellow
- pH range	6.5 - 8.5
- Density range (at 25°C)	1.32 kg/l - 1.35 kg/l
- Density (at 25°C)	1.33 kg/l
- Salt Out Temperature (SOT)	+ 7°C
- SO ₃ (w/w)	64.9%
- N (w/v) as ammoniacal nitrogen	16%
- S (w/v)	34.6%
- SO ₃ (w/v)	86.3%
- N (g/l) as ammoniacal nitrogen	160
- S (g/l)	346
- SO ₃ (g/l)	863
- Chemical formula	(NH ₄) ₂ S ₂ O ₃

CONTACT INFORMATION

Our experts are familiar with your region and crops.

Their support includes:

- Agronomic advice
- Providing technical information
- Carrying out field studies that are specific to your issues
- Providing application and storage tips

For more contact information, please get in touch with:

Tessenderlo Kerley International, part of Tessenderlo Group
Troonstraat 130 Rue du Trône - 1050 Brussels, Belgium

Tel. +32 2 639 18 11

tessenderlokerley@tessenderlo.com

www.tessenderlokerley.com