

LIQUID AMMONIA SULPHATE OR AMMONIUM NITRATE FROM DIGESTATE OR SLURRIES STRIPPED AND SCRUBBED WITH H₂SO₄ OR HNO₃ BY 'CIRCULAR VALUES' PROCESS

Keywords: • separation • stripping • scrubbing • high ammonia content • mineral fertilizer

Key facts:

- **Focusing geographical areas:** EU28
- **Product category:** mineral fertiliser
- **Product status:** available on market
- **Input material:** digestate or manure slurries
- **General appearance:** liquid, transparent
- **Nutrient content N-P-K:**
 - Minimum 7% N/t and 7% S Ammoniumsulphate up to 18%N, Ammoniumnitrate (50% Ammonium-N and 50% nitrate-N)
- **0% organic matters, minimum of other components**
- **Other micro elements:** minimum of other components
- **OM (Organic matter):** 0%
- **pH:** 2-5



Summary: Max 1400 character

Increased temperature and pH combined with acidic washing allows for stripping and scrubbing nearly all (85%) the mineral nitrogen out of the slurry into a liquid mineral fertiliser ammoniumsulphate or ammoniumnitrate liquid produced. This is a pure, high quality fertiliser without organic matter-content, prone to precision fertilising. Producing high quality fertilizer. So no artificial fertilizer is needed. Because it removes the ammonium-N the NH₃ emission for the digestate or manure is reduced

How to use:

- **Type of farming:** low input, conventional
- **Cultivation methods:** open field, greenhouse
- **Recommended crops:** all
- **Application doses:** depending on N%, N-vulnerability of region, type of soil, season, crop, etc...)



Key product features:

- Variety of input streams (manure and other slurries, digestates, discharge water,..) possible
- High (ammoniacal) nitrogen level
- Free of pathogens, insect larvae and weed seeds

Key product benefits:

- 100% efficient fertiliser
- Range N 7- 18%

Competitive position and advantages:

- Robust technology/product

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