Polysulphate
Standard grade for fertilizer production

AICL Fertilizers
Polysulphate - adding value to downstream products

Ask our experts to assist in adapting your downstream product formulations with Polysulphate

**Traditional NPK**

**NPK + Polysulphate**

- Better value with extra nutrients in the formula
- Extra S, Mg and Ca nutrients in the formula
- No filler is needed
- Cost effective
- Higher yields with better quality performance
Multi-nutrient advantages
the new, versatile, multi-nutrient and easy alternative for your down stream products

Polysulphate is a multi-nutrient fertilizer containing four fully soluble and available plant nutrients: sulphur (S), potassium (K), magnesium (Mg) and calcium (Ca). These essential nutrients can be incorporated into any finished fertilizer product or range.

In modern agriculture, there is a growing need for NPK fertilizers as well as other key nutrients. Existing NPK fertilizers can be extended with the addition of S, K, Mg and Ca found in Polysulphate.

Polysulphate provides added value by replacing any fertilizer filler with valuable plant nutrients. Use Polysulphate as a raw material in your fertilizers to better meet the needs of crops, perfectly match soil types and suit climatic conditions.

46.5% SO$_3$ (18.6% S)  
13% K$_2$O (10.8% K)  
5.6% MgO (3.4% Mg)  
16.5% CaO (11.8% Ca)

Standard grade  
Ideal natural source for all crops  
Fully soluble with all nutrients available for plant uptake
Versatile combinations

• Ideal for NK and NPK granulation to produce NK’s and NPK’s enriched with sulphur, magnesium and calcium.

• Perfect combination with potash (MOP) for an enhanced potassium fertilizer plus secondary nutrients.

• Excellent in combination with lime, as an Improved soil amendment with extra nutrients.

High effectiveness

• Provides 4 key crop-boosting nutrients in one: sulphur, potassium, magnesium and calcium.

• Excellent source of sulphate, which can be combined with nitrogen to ensure optimum availability of S with N.

• Supplies crops with extended sulphur availability due to its unique prolonged release pattern.

• Suits chloride-sensitive crops due to low chloride content.

• Increases crop output as key nutrient needs, including calcium, are met.
**Unique properties**

- Polysulphate helps granulation and increases output due to the presence of calcium and sulphate in the product.
- Polysulphate is a harmless, unreactive raw material and is not included in the category of “dangerous goods or harmful substances”.
- Polysulphate is pH neutral; therefore no ammonia is released when included with ammonium products, unlike those that include MgO.
- Good environmental credentials – low carbon footprint, organic fertilizer.
- EU registered fertilizer. No additional regulatory requirements.

**Easy-to-use Polysulphate**

- Compatible with all main raw materials: ammonium nitrate, urea, superphosphates, MOP, SOP – both in handling and storage.
- Polysulphate provides an alternative source and supply for the nutrients contained in SOP and kieserite.
Mined in the UK, ICL is the first – and only – producer in the world to mine polyhalite, marketed as Polysulphate®.