

Accompanying paper

L.A.T

growing with joy.



COMPLEX SOP 12/12/17 +2MgO+24SO₃+B+Fe+Mn+Zn

EC-FERTILIZER

**NPK(Mg,S)-fertilizer 12/12/17 (+2+24)
with micro-nutrients**

Quantity: kg net

12 % N	Total nitrogen 3.2 % N Nitric nitrogen 8.8 % N Ammoniacal nitrogen
12 % P₂O₅	Phosphate soluble in neutral ammonium citrate and in water 9.0 % P ₂ O ₅ Soluble in water
17 % K₂O	Potassium oxide soluble in water
2 % MgO	Total magnesium oxide
24 % SO₃	Total sulphur trioxide 21.0 % SO ₃ Sulphur trioxide soluble in water
0.02 % B	Boron soluble in water
0.07 % Fe	Total iron
0.06 % Mn	Total manganese
0.08 % Zn	Total zinc

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Low in chloride.

Safety data sheet available on request.

Customs tariff number: 3105 2010

Product properties:

bulk density: 0.9–1.15 t/m³
screen analysis: 2.0 till 5.0 mm > 95 %
smaller 2 mm max. 2 %
average grit size: 3.3 till 4.0 mm

Storage: Keep dry and protect against heat and solar radiation.

Origin: Sas van Gent

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Information

Dear business friend,

Should any defects have occurred in spite of our careful loading procedures, we would ask you to observe the following information regarding the respective transport mode:

Rail shipment:

In case of complaints, stop the unloading process and arrange an assessment of damage by the railway company. Please send the assessment of damage together with the consignment note to us immediately in order to enable processing of the complaint.

Lorry transport:

After loading is completed, the driver will acknowledge the proper receipt of the goods. Damage in transport and/or other complaints must be recorded in the shipping document immediately upon receipt of the delivery by the consignee of goods. The driver must confirm the complaint in the shipping document. The consignee of goods shall keep a copy of this document at his disposal. Please inform the sub-supplier of the complaints immediately.

Shipment by ship:

Complaints in case of shipments by ship must be reported to the sub-supplier and the steerman immediately after their discovery and they must subsequently be confirmed in writing.

General guidelines for the transport and storage of fertilizers containing ammonium nitrate – C III Complex fertilizer (NP/NPK fertilizer). Ammoniumnitrate containing fertilizer.

Transport

The product is not governed by GGVE/GGVS/ADNR. If the silo container is subject to heat, e.g. due to fire, a transport accident or vehicle damage, it is imperative to prevent the pressure from increasing due to fertilizer decomposition. Relieve the silo container via the valve, open the container lids and covers, cool the exterior of the container with directed spray water and fill it with water.

Protection from moisture and climatic influences

Fertilizers containing ammonium nitrate are very prone to absorb moisture. To prevent the fertilizer from hardening and to maintain its drillability, it must be stored in dry places at all times and protected from air humidity, heat and solar radiation.

Bulk goods

The fertilizers must therefore be stored in solid buildings with water-proof roofs and closed doors and hatches. The floors and walls must be damp-proofed. Bulk goods must rather be piled up in high heaps than in large-surface heaps. We highly recommend to cover the material carefully with tarpaulins or sheets – even when the stock piling or stock removal process is interrupted.

Goods packed in bags

Fertilizers packed in bags shall not be stacked higher than 16-bag layers, in a formation as united as possible: For pallet storing, avoid excess pressure on the sacks! (double-faced pallets, intermediate pallets.)

Observe before storing

For safety reasons, fertilizers containing ammonium nitrate must under no circumstances get in contact with combustible material (e.g. oil, fuel, straw and corn residues). Before storing these fertilizers, the storeroom intended for them must be cleaned thoroughly. Fertilizers containing ammonium nitrate must be stored separated from alkaline or acid reacting substances, e.g. burnt, slaked or partly slaked lime, converter lime, nitrolime as well as Thomas phosphates and superphosphates.

Properties and possible hazards

Law on hazardous substances:

Fertilizers containing ammonium nitrate, group C III

The supplied fertilizer containing ammonium nitrate is Not self-igniting and non-EXPLOSIVE.

Due to the effect of fire or heat, i.e. also cable fires and overloaded cable lamps, or due to welding operations, decomposition may be initiated with temperatures exceeding 130°C which will automatically die down after the heat source has been removed. The decomposition becomes apparent in the form of yellowish-brown harmful smoke, not, however, in the form of flames or light. Smoke-filled storage rooms must only be entered with suitable respiratory equipment.

Fire fighting measures in case of an accident (fire or decomposition)

ALARM THE FIRE BRIGADE!

Start with Firefighting measures immediately! Clear all accessible decomposition sources immediately! Only use Water for fire-fighting! Fire-extinguishing agents such as foam and carbon dioxide are ineffective, so is the covering with sand or fertilizers! The use of extinguishing heads can lead to a targeted depth effect immediately at the source of decomposition. The penetration of fire water into the receiving waters (sewage system, ground water and surface waters) must be prevented by suitable measures (e.g. build sand or earth walls). Close sewer inlets by means of water pillows.

Fire fighting is considerably facilitated by an existing, up-to-date stock survey.

WE WILL ALSO BE PLEASED TO PROVIDE ADDITIONAL INFORMATION

Please also inform immediately:

Borealis Agrolinz Melamine GmbH
A-4021 Linz, St.-Peter-Strasse 25

Tel. +43 (70) 6914-24 66 Corporate Fire Brigade

Emergency information:

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