

STORAGE CONDITIONS FOR UREA AND SLOW-RELEASE NITROGEN FERTILIZERS “LITFERT STABILLION” (HEREINAFTER REFERRED TO AS THE SLOW-RELEASE FERTILIZERS):

- 1.1** Pre-packaged urea and slow-release fertilizers may be stored in warehouses or outdoor sites.
- 1.2** Unpackaged urea and slow-release fertilizers must be stored in warehouses. Unpackaged urea and slow-release fertilizers are not allowed to be stored outdoors.
- 1.3.** Storage conditions for the product in warehouses:
- 1.3.1.** Warehouses must be closed, covered, dry, ventilated and clean.
- 1.3.2.** The warehouse room must be a single storey building, without any basement or semi-basement. Once a year, the warehouse room must be emptied and the warehouse floor must be thoroughly cleaned.
- 1.3.3.** In warehouses, the temperature must not exceed 30°C.
- 1.3.4.** Warehouses must be equipped with natural ventilation ensuring the change of the air in the room at least once an hour during non-working hours. Mechanical ventilation must be activated during work. Its intensity is calculated aiming to prevent the accumulation of harmful substances above the limit in the indoor air during work.
- 1.3.5.** The size of the product piles and stacks in the warehouse must comply with the national regulations.
- 1.3.6.** The height of piles of the unpackaged product or stacks of the pre-packaged product must be such that the distance between their tops and the ridge, beams and lamp holders is at least 1 m. This is necessary to prevent the product from being affected by heat (including frictional heat) and to prevent contamination of it.
- 1.3.7** In warehouses, a space of at least 1 meter wide must be left around each stack of the pre-packaged product (as well as from walls of the building). Inside the warehouses, fire and emergency vehicle paths must be left between all stacks of the pre-packaged product and piles of the unpackaged product and between all stacks of the pre-packaged product, which must be at least 0.5 m wider than the vehicle, but not narrower than 3 m.
- 1.3.8.** When storing the unpackaged product, the storage room can be divided into several compartments of convenient shape and dimensions. Their size, shape and other parameters must comply with the national regulations.
- 1.3.9.** In warehouses, big bags of the pre-packaged product must be stored stacked on flat pallets without protruding nails, wood screws, wood chips or other sharp objects that may damage the big bag.
- 1.3.10.** As a rule, the product is loaded into the warehouse at temperatures of 30–55°C. Temperatures above 55°C should be avoided in order to prevent the product from collapsing.
- 1.3.11.** The product is hygroscopic, so it can absorb moisture from the air when stored unpackaged in a pile. Adequate precautions must be taken to protect the product from moisture. This can be done by covering the product piles with a waterproof film. Warehouse doors should be kept closed as much as possible.
- 1.3.12.** It is **STRICTLY PROHIBITED** to use explosives for breaking up the piles of the product that has stuck together into pieces. The product can be crushed by mechanical means.
- 1.4** Storage conditions for the product in outdoor sites:
- 1.4.1.** The outdoor sites must have a hard floor coating.

- 1.4.2.** In outdoor sites, the pre-packaged product must be stored in stacks.
- 1.4.3.** When storing bagged products stacked in piles outdoors, fertilizer piles should be placed on pallets to reduce the possibility of the bottom bags getting wet and to reduce the amount of defective products.
- 1.4.4.** The amount of product stored in outdoor sites, the size of the stacks, the distances between them must meet the national requirements.
- 1.4.5.** When storing the pre-packaged product on outdoor sites, it must be protected from direct atmospheric precipitation, moisture (rain, snow; the package may not be located in water and water may not collect on it) and direct sunlight.
- 1.5.** Conditions for the number of rows allowed for stacking the product:
- 1.5.1.** Urea and slow-release fertilizers pre-packaged in big bags of 500 kg cannot be stacked on top of each other in more than 4 rows when stored in stacks.
- 1.5.2.** Urea and slow-release fertilizers pre-packaged in big bags of 1000 kg cannot be stacked on top of each other in more than 3 rows when stored in stacks.
- 1.6** Storage conditions for urea and slow-release fertilizers with other products:
- 1.6.1.** When storing the pre-packaged and unpackaged product in the same room as other non-explosive and non-flammable pre-packaged and unpackaged solid mineral fertilizers, it must be protected from the possibility of mixing.
- 1.6.2.** A sufficient distance must be maintained between stacks of the pre-packaged product and piles of the unpackaged product to prevent contamination of the product with other substances.
- 1.6.3.** If ammonium nitrate, nitrophoska and mineral fertilizer mixtures containing nitrates are stored in the same room or place as the product, it must be ensured that they are not stored next to each other and may not come into contact. Storage of the product and the above fertilizers must be organized in such a way that they may not contaminate or affect each other even in the event of fire.
- 1.6.4.** Precautions must be taken to avoid accidental mixing of different fertilizer products, even if they are not classified as hazardous. During such accidental mixing, incompatible substances, including those classified as hazardous, with unpredictable properties could be mixed together.
- 1.7.** Other conditions for all storage sites:
- 1.7.1.** Big bags of the product are stored in a vertical position.
- 1.7.2.** When stored in ports, packaged fertilizer bags/piles should be placed on pallets to reduce the possibility of the bottom bags getting wet and to reduce amount of defective products.
- 1.7.3.** The storage area of the product at a manufacturer's site, a port, a distributor's site and an end-user's site must be kept out of reach of unauthorized personnel. The warnings "Permitted access only" and other requirements for the safe storage of the product must be posted in clearly visible places in the product storage area.
- 1.7.4.** Smoking, open flames, electric heaters with open radiant filaments are prohibited in the product storage area. Do not store the product where it can be exposed to any heat or heating source. "No smoking" warning signs must be posted in highly visible places of the product storage area.
- 1.7.5.** Do not transport flammable materials through the product storage area.
- 1.7.6.** Do not carry out activities that are not directly related to the storage area (e.g., vehicle maintenance or equipment repair) in warehouses and other storage areas of the product.

1.7.7. Do not use organic materials (e.g., sawdust) for cleaning the floor of the product warehouse; use inorganic absorbents (e.g., limestone, sand, dolomite, gypsum).

1.7.8. The product spilled during handling must be swept up and safely disposed of. It must be ensured that the spaces between the piles are clean.

1.7.9. Avoid storing the product in hot rooms or in direct sunlight, damage to the product packaging, ingress of moisture into the product, and contamination with incompatible substances.

1.7.10. Do not store the product near explosives. If explosives are stored in the same place as the product, they must be stored under strict compliance with the national requirements for explosives.

1.7.11. The product is not subject to restrictions in accordance with Regulation (EU) No 2019/1148; however, economic operators selling, using and protecting the product must report suspicious transactions, material disappearances and thefts of this substance to a national contact point in the Member State where the suspicious transaction, disappearance or theft occurred. Refer to:

https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

1.7.12. In addition to the storage conditions for the product presented here, the recommendations provided in the document “Guidelines for the storage, handling and transportation of solid mineral fertilizers” (2007) published by the European Fertilizer Manufacturers Association “Fertilizers Europe” must be followed.

1.8 The guaranteed shelf life of urea coated with a conditioning additive stored in warehouses is 12 months from the date of manufacture, and 9 months from the date of manufacture when stored outdoors.

The warranty period for urea, not treated with a conditioning additive, stored in warehouses is 12 months from the date of manufacture, and stored outdoors – 9 months from the date of manufacture, except for the bulk of this product, for which the warranty period is 2 months from the date of manufacture.

The warranty period for slow-released fertilizers is 5 months from the date of manufacture.