

INSTRUCTIONS RELATED TO WET MATERIAL DELIVERIES IN SILO

Dear Partner,

Hereby we would like to provide you information regarding possible increased humidity of polymer delivered in bulk.

In case of unpleasant weather conditions or when the outside temperature dropped (e.g. during the overnight) humidity present in the air inside of the silo truck can condensate on the inner wall and water drops may start to form. Condensed water and wet granulate can be found at the lowest point of the silo truck – at the outlet valve.

The humidity condensation from the air cannot be completely avoided. This phenomenon of water condensation is well known and is also described in the European Chemical Industry Council CEFIC and the European transport sector (ECTA) Industry Guideline: Safety and Quality Best Practice Guidelines for Unloading of Polymers in Bulk, chapter 4.1.3:

“Samples, if required, should be taken at the unloading valve. In some cases the sample can be wet. This is predominantly due to condensation of moisture in the silo tank during transport (e.g. temperature difference between day and night). The unloading valve (where the sample is taken) is the point where the condensed water becomes visible. It is sometimes also possible to have water dripping from this valve area. For cases where the initial sample is wet, it is required to flush a certain amount of product (up to 25 kg).



After this action a second sample should be taken. Based on experience this sample will typically be less wet, or even dry.

During unloading, hundreds of cubic meters of dry air are used to blow the product into the silo, with the result that the product in the silo will be dry.”

Moreover, we would like to inform you that any reservation related to the transportation of cargo by road must be recorded in CMR or in Delivery note.

Source: <https://www.ecta.com/wp-content/uploads/2021/03/SAFETY-QUALITY-BEST-PRACTICE-GUIDELINES-FOR-UNLOADING-OF-POLYMERS-IN-BULK.pdf>