

	Work Safety Study - Area 130 and Mine - Units Manufacturing Mobiles Explosive type SMS.	
		Version B
		23-JUIL-2012

Porous Ammonium Nitrate Hopper

It is a closed bulk container / hopper with a capacity of 6,300 liters.

This type of hopper is compatible for the transport of oxidizing material, packing group III, within the meaning of the ADR Regulation (assimilable for transport of product classified under UN1942 as a covered vehicle within the meaning of ADR).

It has a hatch in the top part with a surface area of 1000 x 1000 mm² with a mesh grating 30 x 30 mm² on which is fixed a welded stainless steel mesh 12,5 x 12,5 mm² whose wire is of a diameter of 1 mm. This hatch allows the loading of ammonium nitrate (gravity loading).

The nitrate is discharged via this trap on a prismatic cap. A stainless steel 15 "diameter Archimedes filling screw is located at the bottom of the hopper. It removes the nitrate and transfers it to the mixer.

Large Phase Fat Bulk Containers (IBCs)

These are two IBCs with respective capacities of 500 and 600 liters in stainless steel with a thickness of 2.5 mm. These IBCs are approved under ADR as packing instruction 31A, or are compatible for the carriage of flammable liquid of packing group III (assimilable for the carriage of product classified under UN number 2924).

The filling of these IBCs is ensured by a quick coupling or by gravity by a plug of the firefighter type.

Large Receptacle for Bulk of Gassing Reagents

It is a 100-liter stainless steel IBC of 2.5 mm thickness. This IBC is approved under ADR as packing instruction 11A, and is compatible for the transport of oxidizing liquid of packing group III (assimilable for the transport of product classified under number UN1500).

The filling of this IBC is ensured by a quick coupling or by gravity by a plug of the firefighter type.