

TAL - 2

FLUX FOR ALUMINIUM AND ITS ALLOYS

DESCRIPTION

TAL-2 is a mixture of alkali salts with additives.

ACTION

TAL-2 reacts at temperature of 690°C with the finest droplets of aluminium in the dross and thus the dross is overheated. This creates conditions for the liquation of metal from dross. The rest of dross is in powdery form and it does not stick to the walls of furnaces or crucibles. In reaction of flux with the dross a lesser amount of poisonous volatile chlorides and fluorides is formed, and they must be sucked out of the furnace.

INSTRUCTIONS FOR USE

Per 100 kg of feed 0.1 to 0.25 kg of flux is applied. The amount depends on the feed and the size of furnace. The flux is powdered on the dross. During the reaction process, dross glows up, and after reaction process is finished, the dross is skimmed with a steel strainer.

PACKING

TAL-2 is packed in polyethylene bags at 1 kg each which are packed in polypropylene bags at 40 kg each. Polypropylene bags are packed on the pallet of 1000 kg, covered with PVC foil.

STORING AND TRANSPORT

TAL-2 should be transported in covered trucks or railway wagons, and stored only in covered stores.

According to the European regulation for international road transport, TAL-2 is a dangerous substance. It is classified in ADR Class 9, packing group III. Amount allowed to be carried by vehicles without ADR equipment is max. 1000 kg.

PROPERTIES

Physical state:	grey-brown powder
Exothermic reaction:	by temperatures over 690°C
Chloride content:	38 - 41 %
Moisture content:	max. 0,5 %