



ISO 9001:2008

Deluxe

Meproché

TECHNICAL BULLETIN

MEPROCHE MT 341 OXIDISING SALT

Meproche MT 341 is a mixture of Nitrates and hydroxides of metals. It is so designed that it forms a eutectic mixture, thereby giving almost a constant melting point and has a working range of 200° to 470° C.

The salt is mainly used after nitrocarburizing/nitriding processes to provide corrosion resistance and deep black appearance.

Method of use:

Fill the pot with two/third height and let it melt under heating. Slowly add fresh salt, by and by till a melted column of salt is obtained of 3/4th height. Maintain the required temperature (normally 400° to 440°C.) The quantity of salt has to be decided by quantity of job to be put and hence the design of the bath/furnace has to be decided.

In presence of air and/or moisture the nitrates and nitrites interchange into one another thereby changing the characteristic of the salt. Hence **do not** add moisture/water at any time during the whole tenure of its use. The salt has been designed to keep its properties intact for multiple uses.

General properties of the salt are given below:

Working range : 220°C to 490°C
Specific gravity : 2.3 to 2.5 gms/cc
*Color code : pinkish red
*optional

Being highly oxidizing the salt should never be brought into contact of cyanides as there can be very violent reaction/explosion.

For more details please contact to:-

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