PRODUCT INFORMATION
LEWATIT® MP 62 WS Dried

Lewatit® MP 62 WS Dried is a weakly basic, macroporous anion exchange resin. Due to its special manufacturing process it possesses only tertiary amine functional groups which lack any salt-splitting capacity. As a result it therefore exhibits strongly hydrophobic properties which makes it especially applicable as catalyst for the disproportionation of chlorosilanes in the production of high purity silicon. It is equally efficient in the disproportionation of both trichlorosilanes and mixtures of di- and trichlorosilanes.

The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art. Further advice in this matter can be obtained from Lanxess, Business Unit Liquid Purification Technologies.

Common Description

Delivery form	free base
Functional group	tertiary amine
Matrix	styrenic
Structure	macroporous
Appearance	opaque

Specified Data

Uniformity coefficient		max.	1.6
Range of size for >90 vol% of all beads		mm	0.4-1.25
Effective size	d10	mm	0.55
Total capacity (wet resin)		min. eq/L	1.7

Typical Physical and Chemical Properties

Bulk density for shipment	(+/- 10%)	g/L	340
Density		approx. g/mL	1.02
Residual moisture (delivery form)		max. weight%	0.5
Stability pH range			0-14
Stability temperature range		°C	1-130
Storage temperature range		°C	-20 - +40

Additional Information & Regulations

Safety precautions
Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Toxicity
The safety data sheet must be observed. It contains additional data on product description, transport, storage, handling, safety and ecology.

Disposal
In the European Community Ion exchange resins have to be disposed, according to the European waste nomenclature which can be accessed on the internet-site of the European Union.

Storage
It is recommended to store ion exchange resins at temperatures above the freezing point of water under roof in dry conditions without exposure to direct sunlight. If resin should become frozen, it should not be mechanically handled and left to thaw out gradually at ambient temperature. It must be completely thawed before handling or use. No attempt should be made to accelerate the thawing process.

Packaging
The experience has shown that the packaging stability for reliable resin containment is limited to 24 months under the storage conditions described above. It is therefore recommended to use the product within this time frame; otherwise the packaging condition should be checked regularly.

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