

# MODIFIED SODIUM DISILICATE (MCIMSD)

## Technical Data Sheet

### Product Information

Chemical Name	Modified Sodium Disilicate
Commodity Name	MSD, MSDS
Category	Water softener
Molecular formula	Na <sub>2</sub> O.2SiO <sub>2</sub>
Molecular wt.	182
CAS No.	1344-09-8

### Technical Specification

Appearance	Free flowing white granular
Ca <sup>2+</sup> exchange (mgCaCO <sub>3</sub> /g), 35°C, 20min	450 mg/g min
Whiteness %	85 min
Bulk density (g/l) - Granular	480~ 600
pH of 1% water sol.	12.5 max
SiO <sub>2</sub> content by wt %	25 min
Na <sub>2</sub> O + SiO <sub>2</sub> content by wt %	50 min
Water insoluble by wt %	1.50 max
Moisture by wt %	5 max

### Packing, Loading and shelf life

Packing	25 KG / 50 KG / 650 KG PP bag with PE liner
Loading - w/o pallet	25kg- 14.5mt/20fcl; 650kg- 26mt/40HQ
Loading - on pallets	25kg- 12mt/20fcl; 25kg- 24mt/40HQ; 650kg- 26mt/40HQ
Shelf life	24 Months under proper storage condition*

\* **Proper Storage condition:** Keep container tightly closed, keep in cool, dry and ventilated place, avoid strong acid.