



Introduction

Melafine is a white crystalline powder. It is a stable non-hygroscopic chemical when stored under normal, dry warehouse storage conditions. Freshly produced melamine is a free-flowing powder. The stored product may tend to compact, and depending on storage conditions, lumps may occasionally form. Melamine may therefore be characterized as having medium flowability. In most cases, the product can be handled, transported and processed without difficulty.

| Properties | Typical value | Test method |
|-------------------------|---------------------------------|-------------|
| Particle size | 99% below 40 micron | MSC-TIS 009 |
| | 90% below 30 micron | |
| | 50% below 15 micron | |
| | 10% below 5 micron | |
| Free bulk density | 200 - 300 kg/m ³ | MSC-TIS 006 |
| Tapped bulk density | 550 - 650 kg/m ³ | MSC-TIS 006 |
| Solubility (water 20°C) | 0.3 g/100 ml | |
| Melting point | 354 °C (decomposes) | |
| pH | 8.2 - 9.4 (10% slurry in water) | MSC-TIS 007 |

Handling

For information about handling melamine, please see our Technical Information Sheet on the handling, storage and packaging of melamine (MSC-TIS 059), available on request.

Safety precautions

Melamine is non-flammable, but heating to above 300°C could result in decomposition, with release of toxic vapors. Adequate ventilation and the use of personal protective equipment is therefore advised. When handling melamine, the wearing of gloves, safety glasses and respiratory protection is recommended.

The above data is only given as a guide. It does not replace our Material Safety Data Sheet (available on request), which contains additional detailed information.

Testing

Details of OCI test methods are available on request.

Contact

| | |
|-----------------|------------------------------------------------------------------------------------------|
| OCI Melamine | Phone: +31 46 702 0203 |
| P.O. Box 601 | Fax: +31 46 702 0192 |
| 6160 AP Geleen | E-mail: info.melamine@ocinitrogen.com |
| The Netherlands | Internet: www.ocimelamine.com |

This Technical Information Sheet (TIS) has been issued by OCI Melamine, which forms part of OCI Nitrogen. We recommend the use of our Product Specification Sheet and Material Safety Data Sheet. Although great care has been exercised in compiling the information contained in this TIS, OCI Melamine accepts no liability whatsoever for any deficiency, error or consequence directly or indirectly resulting from the contents of this TIS. The user shall indemnify OCI Melamine against all claims, expenses, etc., in connection with the information contained in this TIS and the use or misuse thereof.