



MERCHEM LIMITED

TECHNICAL DATA SHEET

| Product Name : Mercure MBTS (Uncoated) | | | Spec. Ref. No. : TDS 04 | |
|--|--|--------|----------------------------|-----------------|
| Chemical Name/ Chemical Composition : 2,2`-Dithiobisbenzothiazole | | | Date of Issue : 01.06.2015 | |
| CAS Reg. No : 120-78-5 | | | Issue No. : 5 | |
| Physical Appearance : Pale Yellow Powder | | | Rev. No. : 0 | |
| Product Specifications | | | | |
| Characteristics | Unit | Limits | | Test Method |
| | | LSL* | USL** | |
| Melting Point Initial | °C | 168.0 | -- | ASTM D 1519A |
| Melting Point Final | °C | 170.0 | -- | ASTM D 1519A |
| Loss on drying (105 ⁰ C / 2 hrs) | % | -- | 0.50 | ASTMD 4571 |
| Ash Content (760 ⁰ C / 2 hrs) | % | -- | 0.30 | ASTMD 4574 |
| Assay | % | 95.0 | -- | ASTM D 5051 |
| Fineness through 100 mesh | % | 99.90 | -- | ASTM D 5461 |
| Free MBT content | % | -- | 2.0 | ASTM D 5044 |
| Periodic Audit Test *** | | | | |
| Specific gravity @ Room Temperature | -- | 1.45 | 1.55 | ASTM D 1817 |
| Bulk Density | Kg/m ³ | 450 | 550 | MERCHEM QWI 151 |
| Product Information | | | | |
| Solubility | Soluble in Chloroform, Carbon tetrachloride and Benzene. Slightly soluble in Acetone. Insoluble in water. | | | |
| Classification | Semi ultra fast accelerator. | | | |
| Discoloration and staining | Non discoloring and non staining . | | | |
| Regulatory Approval status | Regulated for use in articles in contact with food under FDA 21 CFR 177.2600 & 175.105 and as specified under BfR XXI categories 1-4. | | | |
| Toxicity data | Practically non harmful. Oral LD50/rat 7940 mg/Kg. slightly irritating to eyes. | | | |
| Handling and Personal protection | Ensure good ventilation and avoid dust generation .In case of skin /Eye contact flush with water for 10 minutes. | | | |
| Storage | Store the product in dry and well ventilated area .Keep away from heat and sources of ignition. Avoid exposure to acid , acidic materials /atmosphere. | | | |
| Package | | | | |
| Paper Bag (PP Woven sack ESKP with inner PP liner) | 20 Kg | | | |
| FIBC | - | | | |
| Shelf life | 24 months | | | |
| Colour code | Red | | | |

*Lower Specification Limit .**Upper Specification Limit . *** Defined in Finished Goods Inspection Plan.

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| Prepared by : PG | Approved by: RBV |
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