

**TECHNICAL DATA SHEET**

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|-------------------------------------|-----------------------------------|------------------|--------------|
| Product Name | : Mercure ZDBC | Spec. Ref. No. : | TDS 16 |
| Chemical Name/ Chemical Composition | : Zinc di-n -butyldithiocarbamate | Date of Issue | : 01.06.2015 |
| CAS Reg. No | : 136-23-2 | Issue No. | : 5 |
| Physical Appearance | : White /off white powder | Rev. No. | : 0 |

Product Specifications

| Characteristics | Unit | Limits | | Test Method |
|--------------------------------|------|----------------|-------|----------------|
| | | LSL* | USL** | |
| Melting point Initial Final | °C | 105.0 108.0 | -- | ASTMD 1519A |
| Loss on drying (70°C / 2 hrs) | % | -- | 0.30 | ASTMD 4571 |
| Zinc content | % | 13.5 | 15.5 | MERCHEM QWI 10 |
| Fineness through 100 mesh | % | 99.90 | -- | ASTM D 5461 |

Periodic Audit Test***

| | | | | |
|-------------------------------------|-------------------|------|------|-----------------|
| Benzene Insolubles | % | -- | 2.0 | MERCHEM QWI 11 |
| Total solid content | % | 99.7 | --- | MERCHEM QWI 143 |
| Specific gravity @ Room Temperature | -- | 1.20 | 1.30 | ASTMD 1817 |
| Water extract | % | -- | 0.10 | MERCHEM QWI 142 |
| Bulk Density | kg/m ³ | 300 | 400 | MERCHEM QWI 118 |

Product Information

| | |
|----------------------------------|--|
| Solubility | Soluble in Benzene, Acetone & Carbon disulfide. Partially soluble in Hexane. Insoluble in water . |
| Classification | Ultra fast Accelerator. |
| Discoloration and staining | Non discoloring, non staining & non blooming. |
| Regulatory Approval Status | Regulated for use in articles in contact with food under FDA 21 CFR 175.105, 175.300, 177.1210 ,177.2600 , 178.2010 and under BfR XXI Categories 1-4 and 'Sonderkategorie'. |
| Toxicity data | Harmful by mouth Oral LD50/rat >5000mg/Kg. May cause slight eye / skin irritation. |
| Handling and Personal protection | Avoid breathing dust. Exposure to high dust concentration may cause irritation to respiratory tract . May cause Alcohol intolerance. In case of eye and skin contact, wash with clean water for 10-15 minutes. |
| Storage | Always store in ambient temperature and in dry& well ventilated area. Avoid exposure to sunlight, heat, acids, alkalies, acid fumes & solvents. |

Package

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|--|-----------|
| Paper Bag (PP Woven ESKP with inner PP liner) | 20 Kg |
| FIBC | - |
| Shelf life | 12 months |
| Colour code | Black |

*Lower Specification limit **Upper Specification Limit ***Defined in Finished Goods Inspection plan

Prepared by : PG

Approved by: RBV

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