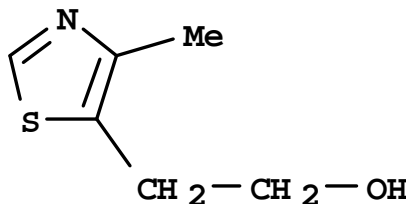


TECHNICAL DATA SHEET

11/25/2009

| | | | | |
|--|--|---|-----------|--|
| SULFUROL (BEAN) | |  | | |
| 4-Methyl-5-thiazole ethanol | | | | |
| Formula: C ₆ H ₉ NOS | FW: 143.21 | Kosher: <input checked="" type="checkbox"/> | | FCC: <input type="checkbox"/> |
| Appearance and Color: } Liquid or crystal / Yellow or Amber | Part Code: 50017 | | | |
| Density (g/ml) _{d₄²⁰} = 1.194 - 1.203 | RI: n _D ²⁵ = 1.546-1.552 | Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small> | | |
| Flash Point: 110°C Method: Closed Cup | Boiling Point: !280°C | <input type="checkbox"/> S Alcohol | | |
| Vapor Press: mm Hg, 20°C log K(ow): | Acid Number: ≤ NA | <input type="checkbox"/> S Propylene Glycol | | |
| | | <input type="checkbox"/> I Essential Oils | | |
| | | <input type="checkbox"/> S Water | | |
| CHROMATOGRAPHIC ANALYSIS Purity: ≥ > 99.0% | | | | |
| GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 180°C | | | | |
| REFERENCE NUMBERS | | Natural/Nature Identical/Artificial: <input type="checkbox"/> | | ODOR/TASTE |
| FEMA/GRAS N°: 3204 Co. Europe N°: 11621 C.A.S. N°: 137-00-8 EINECS N°: 205-272-6 TARIFF N°: 2934.10.9000 | | NATURAL OCCURRENCE | | Processed soybean, sweetened bean paste / |
| TRANSPORT: | | | | |
| Hazard: | REGULATION | HAZ. CLASS | PG | UN N° |
| Point 1 2 4 | 1 R.T.M.D. | | | |
| Not Regulated | 2 ADR/RID | | | |
| <u>Category / other info:</u> | 3 I.A.T.A. | 9 | | 3334 |
| | 4 I.M.D.G. | | | |
| SAFETY DATA: Available | TSCA: Listed | PACKING CONTAINERS: | | |
| STORAGE: Under Nitrogen | Temperature: ≤ -18°C <input type="checkbox"/> | <input checked="" type="checkbox"/> Epoxy-coated Steel Drums | | |
| | ≤ 5°C <input type="checkbox"/> | <input checked="" type="checkbox"/> Stainless Steel Drums | | |
| Shelf Life: ~ 12 months | RT <input checked="" type="checkbox"/> | <input type="checkbox"/> Aluminum Bottles | | |
| | | <input checked="" type="checkbox"/> Glass Bottles | | |
| | | <input type="checkbox"/> Plastic / Plastic-lined drums | | |

Unless otherwise noted, this data sheet is for your information only and Fontarôme Chemical cannot be held responsible for its contents.