

**TECHNICAL DATA SHEET**

11/25/2009

|  |   |   |           |                               |
|--|---|---|-----------|-------------------------------|
| <b>METHYL-3-METHYLTHIOPROPIONATE</b>   |   | $\begin{array}{c} \text{O} \\    \\ \text{MeO} - \text{C} - \text{CH}_2 - \text{CH}_2 - \text{SMe} \end{array}$ |           |                               |
| Formula: C5 H10 O2S  | FW: 134.20                                    | Kosher: <input checked="" type="checkbox"/>   |           | FCC: <input type="checkbox"/> |
| Appearance and Color: } Liquid / Faint yellow  | Part Code: <b>50016</b>                       |   |           |                               |
| Density (g/ml) $d_4^{20} = 1.069-1.080$  | RI: $n_D^{25} = 1.460-1.472$                  | Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>                       |           |                               |
| Flash Point: 72°C<br>Method: Closed Cup  | Boiling Point:                                | <input type="checkbox"/> Alcohol  |           |                               |
| Vapor Press: mm Hg, 20°C<br>log K(ow):   | Acid Number: ≤ NA                             | <input type="checkbox"/> Propylene Glycol   |           |                               |
|  |   | <input type="checkbox"/> Essential Oils   |           |                               |
|  |   | <input type="checkbox"/> Water  |           |                               |
| <b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ 99.0%  |   |   |           |                               |
| GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID<br>WAX 150°C  |   |   |           |                               |
| <b>REFERENCE NUMBERS</b>   |   | Natural/Nature Identical/Artificial: <input type="checkbox"/>   |           | <b>ODOR/TASTE</b>             |
| FEMA/GRAS N°: 2720<br>Co. Europe N°: 428<br>C.A.S. N°: 13532-18-8<br>EINECS N°: 236-883-6<br>TARIFF N°: 2915.5000.00 |   | <b>NATURAL OCCURRENCE</b><br>Pineapple, white wine, melon   |           | Pineapple /                   |
| <b>TRANSPORT:</b>  |   |   |           |                               |
| Hazard:  | <b>REGULATION</b>                             | <b>HAZ. CLASS</b>   | <b>PG</b> | <b>UN N°</b>                  |
| 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   | III       | 3334                          |
|  | 4 I.M.D.G.                                    |   |           |                               |
| SAFETY DATA: Available   | TSCA: Listed                                  | <b>PACKING CONTAINERS:</b>  |           |                               |
| STORAGE: Under Nitrogen  | Temperature: ≤ -18°C <input type="checkbox"/> | <input checked="" type="checkbox"/> Epoxy-coated Steel Drums  |           |                               |
|  | ≤ 5°C <input type="checkbox"/>                | <input type="checkbox"/> Stainless Steel Drums  |           |                               |
| Shelf Life: ~ 12 months  | RT <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/> Aluminum Bottles  |           |                               |
|  |   | <input checked="" type="checkbox"/> Glass Bottles   |           |                               |
|  |   | <input type="checkbox"/> Plastic / Plastic-lined drums  |           |                               |

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