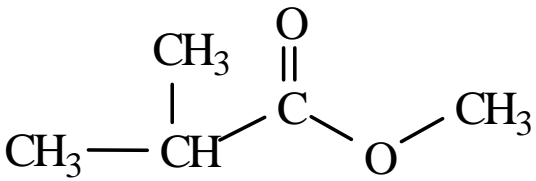


**TECHNICAL DATA SHEET**

11/25/2009

|  |  |   |            |  |
|--|--|---|------------|--|
| <b>METHYL ISOBUTYRATE</b>  |  |         |            |  |
| Formula: C5 H10 O2   | FW: 102.13                             | Kosher: <input checked="" type="checkbox"/>   |            | FCC: <input type="checkbox"/>                          |
| Appearance and Color: } Clear liquid / Colorless   |  | Part Code: <b>12916</b>   |            |  |
| Density (g/ml) $d_4^{20}$ = 0.885-0.900  | RI: $n_D^{25}$ = 1.375-1.385           | Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small> |            |  |
| Flash Point: 3°C<br>Method: Closed Cup   | Boiling Point:<br>90-91°C              | <input type="checkbox"/> FS Alcohol   |            |  |
| Vapor Press: mm Hg, 20°C<br>log K(ow): 1.28  | Acid Number: ≤ 2.0                     | <input type="checkbox"/> FS Propylene Glycol  |            |  |
|  |  | <input type="checkbox"/> FS Essential Oils  |            |  |
|  |  | <input type="checkbox"/> SpS Water  |            |  |
| <b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ 98.0 %   |  |   |            |  |
| GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID<br>AT-AquaWax: 60°C (5 min HOLD) to 225°C at 10°C/min |  |   |            |  |
| <b>REFERENCE NUMBERS</b>   |  | Natural/Nature Identical/Artificial: <input type="checkbox"/> NI                          |            | <b>ODOR/TASTE</b>                                      |
| FEMA/GRAS N°: 2694<br>Co. Europe N°: 287<br>C.A.S. N°: 547-63-7<br>EINECS N°: 208-929-5<br>TARIFF N°: 2915.90.5000   |  | <b>NATURAL OCCURRENCE</b><br>Strawberry, champagne  |            | Very diffusive odor /<br>Strawberry taste in dilution. |
| <b>TRANSPORT:</b>  |  |   |            |  |
| Hazard: flammable  | <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.                             | 3   | 305/307 II | 3272   |
|  | 4 I.M.D.G.                             |   |            |  |
| SAFETY DATA: Available   | TSCA: listed                           | <b>PACKING CONTAINERS:</b>  |            |  |
| STORAGE: Under Nitrogen  |  | <input checked="" type="checkbox"/> Epoxy-coated Steel Drums                              |            |  |
| Temperature: ≤ -18°C <input type="checkbox"/>  |  | <input type="checkbox"/> Stainless Steel Drums  |            |  |
| ≤ 5°C <input type="checkbox"/>   |  | <input checked="" type="checkbox"/> Aluminum Bottles                                      |            |  |
| Shelf Life: ~ 24 months  | RT <input checked="" type="checkbox"/> | <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.