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|--|---|--------------------------------|
|  <b>synerzine</b> <sup>TM</sup> | <b>Title:</b> W1431 Product Specification |                                |
|  | <b>Document #:</b> 02-1006                | <b>Rev #:</b> 001              |
|  | <b>Status:</b> ACTIVE                     | <b>Date Issued:</b> 03/27/2020 |

### Product Identifiers

|                      |  |
|----------------------|--|
| <b>Product Name:</b> | METHYL-4-METHYLSULFANYLBUTANOATE, 10% IN TRIACETIN |
|----------------------|--|

|                  |              |       |            |        |      |
|------------------|--------------|-------|------------|--------|------|
| Synerzine Item # | <b>W1431</b> | CAS # | 53053-51-3 | FEMA # | 3412 |
|------------------|--------------|-------|------------|--------|------|

### Material Properties

|                   |          |                      |         |
|-------------------|----------|----------------------|---------|
| Molecular Formula | C6H12O2S | Flash Point (°F, CC) | >230    |
| Molecular Weight  | 148.23   | Boiling Point        | ~258° C |
| Shelf Life (days) | 730      | Physical State       | Liquid  |

|                              |   |
|------------------------------|---|
| <b>Solubility</b>            | Slightly soluble in water, soluble in alcohols.   |
| <b>Storage and Stability</b> | Store in fully closed container in cool (~20°C) dry place.  |
| <b>Handling Precautions</b>  | Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame. Chemical resistant goggles and gloves recommended. |

### Specified Critical Limits

| Critical Property | Test Method             | UOM                      | Lower Limit      | Upper Limit |
|-------------------|-------------------------|--------------------------|------------------|-------------|
| Color             | Visual Analysis         | None                     | Colorless        | Colorless   |
| Odor              | Organoleptic Analysis   | None                     | Tropical, creamy |             |
| Chemical Purity   | Gas Chromatography      | %                        | 9.5%             | 100.0%      |
| Density           | Density Analysis        | g/cm <sup>3</sup> @ 20°C | 1.135            | 1.175       |
| Refractive Index  | Refractometric Analysis | nD20                     | 1.415            | 1.455       |

### Notes

*This specification was generated electronically, and is therefore unsigned.*

**Synerzine**

Quality Control Dept.

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