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|  synerzine TM | Title: W1847 Product Specification | |
| | Document #: 02-1006 | Rev #: 000 |
| | Status: ACTIVE | Date Issued: 06/21/2013 |

Product Identifiers

| | |
|---------------|----------------------------------|
| Product Name: | *2-METHYLPROPYL-3-METHYLBUTYRATE |
|---------------|----------------------------------|

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|------------------|--------------|-------|----------|--------|------|
| Synerzine Item # | W1847 | CAS # | 589-59-3 | FEMA # | 3369 |
|------------------|--------------|-------|----------|--------|------|

Material Properties

| | | | |
|-------------------|---------|----------------------|--------|
| Molecular Formula | C9H18O2 | Flash Point (°F, CC) | 102 |
| Molecular Weight | 158.24 | Boiling Point | 168°C |
| Shelf Life (days) | 730 | Physical State | Liquid |

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|-----------------------|--|
| Solubility | Soluble in alcohol; insoluble in water. |
| Storage and Stability | Store in fully closed container in cool (~20°C) dry place. |
| Handling Precautions | Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame. |

Specified Critical Limits

| Critical Property | Test Method | UOM | Lower Limit | Upper Limit |
|-------------------|-------------------------|--------------------------|-----------------------|-------------|
| Color | Visual Analysis | None | Colorless | Colorless |
| Odor | Organoleptic Analysis | None | Fruity, green, estery | |
| Chemical Purity | Gas Chromatography | % | 97.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 0.850 | 0.860 |
| Refractive Index | Refractometric Analysis | nD20 | 1.404 | 1.408 |

Notes

Commonly known as isobutyl isovalerate.

This specification was generated electronically, and is therefore unsigned.

Synerzine

Quality Control Dept.

Date Printed: 6/26/2021