


|  |                    |                            |                     |            |
|--|--------------------|----------------------------|---------------------|------------|
|  <b>synerzine</b> <sup>TM</sup> | <b>Title:</b>      | W051 Product Specification |                     |            |
|  | <b>Document #:</b> | 02-1006                    | <b>Rev #:</b>       | 001        |
|  | <b>Status:</b>     | ACTIVE                     | <b>Date Issued:</b> | 05/26/2020 |

**Product Identifiers**

|               |               |
|---------------|---------------|
| Product Name: | ETHYL TIGLATE |
|---------------|---------------|

|                  |             |       |           |        |      |
|------------------|-------------|-------|-----------|--------|------|
| Synerzine Item # | <b>W051</b> | CAS # | 5837-78-5 | FEMA # | 2460 |
|------------------|-------------|-------|-----------|--------|------|

**Material Properties**

|                   |         |                      |           |
|-------------------|---------|----------------------|-----------|
| Molecular Formula | C7H12O2 | Flash Point (°F, CC) | >112      |
| Molecular Weight  | 128.17  | Boiling Point        | 154-156°C |
| Shelf Life (days) | 730     | Physical State       | Liquid    |

|                       |  |
|-----------------------|--|
| Solubility            | Slightly in water; soluble in organic solvents   |
| 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, caramel |             |
| Chemical Purity   | Gas Chromatography      | % Isomeric Sum           | 98.0%           | 100.0%      |
| Density           | Density Analysis        | g/cm <sup>3</sup> @ 20°C | 0.924           | 0.935       |
| Refractive Index  | Refractometric Analysis | nD20                     | 1.434           | 1.444       |

**Notes**

Sum of isomers (isomer 1: 95-100%; isomer 2: 0-5%)

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

**Synerzine**  
Quality Control Dept.

Date Printed: 6/26/2021