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|  synerzine TM | Title: | 836AM Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 001 |
| | Status: | ACTIVE | Date Issued: | 5/31/2018 |

Product Identifiers

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|---------------|----------------------------------|
| Product Name: | 2-ACETYL-3,5(6)-DIMETHYLPYRAZINE |
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|------------------|--------------|-------|------------|--------|------|
| Synerzine Item # | 836AM | CAS # | 54300-08-2 | FEMA # | 3327 |
|------------------|--------------|-------|------------|--------|------|

Material Properties

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|-------------------|----------|----------------------|----------|
| Molecular Formula | C8H10N2O | Flash Point (°F, CC) | 230 |
| Molecular Weight | 150.18 | Boiling Point | 70°C/7mm |
| Shelf Life (days) | 730 | Physical State | Liquid |

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| Solubility | Soluble in water. |
| Storage and Stability | Store in fully closed container in cool (~20°C) dry place. Stable for years, with slight development of discoloration. |
| 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 | Water-white | Amber |
| Odor | Organoleptic Analysis | None | Roasted, hazelnut, caramel, popcorn | |
| Chemical Purity | Gas Chromatography | % Isomeric Sum | 98.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 1.070 | 1.080 |
| Refractive Index | Refractometric Analysis | nD20 | 1.510 | 1.520 |

Notes

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This specification was generated electronically, and is therefore unsigned.