


| | | | | |
|------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|---------------------|------------|
|  synerzine TM | Title: | N302 Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 000 |
| | Status: | ACTIVE | Date Issued: | 06/21/2013 |

Product Identifiers

| | |
|---------------|---------------------------------------|
| Product Name: | 2,3,5,6-TETRAMETHYL PYRAZINE, NATURAL |
|---------------|---------------------------------------|

| | | | | | |
|------------------|-------------|-------|-----------|--------|------|
| Synerzine Item # | N302 | CAS # | 1124-11-4 | FEMA # | 3237 |
|------------------|-------------|-------|-----------|--------|------|

Material Properties

| | | | |
|-------------------|---------|----------------------|-------|
| Molecular Formula | C8H12N2 | Flash Point (°F, CC) | >200 |
| Molecular Weight | 136.2 | Boiling Point | 190°C |
| Shelf Life (days) | 730 | Physical State | Solid |

| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Solubility | SOLUBLE IN WATER AND ORGANIC SOLVENTS. |
| Storage and Stability | STORE UNDER NITROGEN. STABLE AT ROOM TEMPERATURE. |
| 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 | White | Off-white |
| Odor | Organoleptic Analysis | None | Sweet, chocolate, cocoa | |
| Chemical Purity | Gas Chromatography | % | 99.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | N/A | N/A |
| Refractive Index | Refractometric Analysis | nD20 | N/A | N/A |

Notes

Product hygroscopic, and form di-hydrate with lower m.p. (73-76°C)
Ethanol Content: 0 %

This specification was generated electronically, and is therefore unsigned.