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|  synerzine TM | Title: | R502 Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 000 |
| | Status: | ACTIVE | Date Issued: | 06/21/2013 |

Product Identifiers

| | |
|---------------|--------------------------|
| Product Name: | PYRROLE 2-CARBOXALDEHYDE |
|---------------|--------------------------|

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|------------------|-------------|-------|-----------|--------|----|
| Synerzine Item # | R502 | CAS # | 1003-29-8 | FEMA # | NL |
|------------------|-------------|-------|-----------|--------|----|

Material Properties

| | | | |
|-------------------|--------|----------------------|-----------|
| Molecular Formula | C5H5NO | Flash Point (°F, CC) | >200 |
| Molecular Weight | 95 | Boiling Point | 217-219°C |
| Shelf Life (days) | 730 | Physical State | Solid |

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| Solubility | Slightly soluble in water; soluble in alcohols. |
| 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 | White | White |
| Odor | Organoleptic Analysis | None | Musty, beefy, coffee | |
| Chemical Purity | Gas Chromatography | % | 98.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | N/A | N/A |
| Refractive Index | Refractometric Analysis | nD20 | N/A | N/A |

Notes

Also known as 2-formyl pyrrole.

This specification was generated electronically, and is therefore unsigned.