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|  synerzine TM | Title: | R451 Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 002 |
| | Status: | ACTIVE | Date Issued: | 03/04/2021 |

Product Identifiers

| | | | |
|------------------|--------------------|--------|-----------|
| Product Name: | 1-FURFURYL PYRROLE | | |
| Synerzine Item # | R451 | CAS # | 1438-94-4 |
| | | FEMA # | 3284 |

Material Properties

| | | | |
|-------------------|--------|----------------------|------------------|
| Molecular Formula | C9H9NO | Flash Point (°F, CC) | 180 |
| Molecular Weight | 147.1 | Boiling Point | 69-70°C/2.5mm Hg |
| Shelf Life (days) | 730 | Physical State | Liquid |

| | |
|-----------------------|--|
| Solubility | Slight in water; soluble in organic solvents. |
| Storage and Stability | Store in fully closed container in cool (~20°C) dry place. Stable for 2 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 | Colorless | Amber |
| Odor | Organoleptic Analysis | None | Horseradish, mustard seed, mushroom | |
| Chemical Purity | Gas Chromatography | % | 98.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 1.080 | 1.086 |
| Refractive Index | Refractometric Analysis | nD20 | 1.529 | 1.536 |

Notes

ALSO KNOWN AS: N-FURFURYL PYRROLE & 1-(2-furfuryl)pyrrole

This specification was generated electronically, and is therefore unsigned.

Synerzine
Quality Control Dept.

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