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|  synerzine TM | Title: W1411 Product Specification | |
| | Document #: 02-1006 | Rev #: 000 |
| | Status: ACTIVE | Date Issued: 06/21/2013 |

Product Identifiers

| | |
|---------------|-------------------|
| Product Name: | 1,9-NONANEDITHIOL |
|---------------|-------------------|

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|------------------|--------------|-------|-----------|--------|------|
| Synerzine Item # | W1411 | CAS # | 3489-28-9 | FEMA # | 3513 |
|------------------|--------------|-------|-----------|--------|------|

Material Properties

| | | | |
|-------------------|---------|----------------------|-----------|
| Molecular Formula | C9H20S2 | Flash Point (°F, CC) | 215 |
| Molecular Weight | 192.385 | Boiling Point | 351-352°C |
| Shelf Life (days) | 730 | Physical State | Liquid |

| | |
|-----------------------|--|
| Solubility | Soluble in alcohol and oils; Insoluble in water |
| 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 | Pale yellow |
| Odor | Organoleptic Analysis | None | Sulfurous, meaty, savory | |
| Chemical Purity | Gas Chromatography | % | 97.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 0.952 | 0.957 |
| Refractive Index | Refractometric Analysis | nD20 | 1.500 | 1.510 |

Notes

This specification was generated electronically, and is therefore unsigned.

Synerzine

Quality Control Dept.

Date Printed: 6/26/2021