


| | | | | |
|------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|---------------------|------------|
|  synerzine TM | Title: | W0186 Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 000 |
| | Status: | ACTIVE | Date Issued: | 06/21/2013 |

Product Identifiers

| | | | |
|------------------|------------------------------------|--------|------------|
| Product Name: | 2-ISOBUTYL-4-METHYL--1,3-DIOXOLANE | | |
| Synerzine Item # | W0186 | CAS # | 18433-93-7 |
| | | FEMA # | ---- |

Material Properties

| | | | |
|-------------------|---------|----------------------|-----------|
| Molecular Formula | C8H16O2 | Flash Point (°F, CC) | 105 |
| Molecular Weight | 144.2 | Boiling Point | 150-153°C |
| Shelf Life (days) | 730 | Physical State | Liquid |

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| Solubility | Insoluble in water; soluble in organic solvents |
| 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 | Colorless | Colorless |
| Odor | Organoleptic Analysis | None | UPDATE SPEC | |
| Chemical Purity | Gas Chromatography | % | 97.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 0.892 | 0.898 |
| Refractive Index | Refractometric Analysis | nD20 | 1.412 | 1.416 |

Notes

This specification was generated electronically, and is therefore unsigned.