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|  synerzine TM | Title: | 423CL Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 001 |
| | Status: | ACTIVE | Date Issued: | 10/27/2017 |

Product Identifiers

| | |
|---------------|----------------------|
| Product Name: | 2,3-DICHLOROPYRAZINE |
|---------------|----------------------|

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|------------------|--------------|-------|-----------|--------|-----|
| Synerzine Item # | 423CL | CAS # | 4858-85-9 | FEMA # | N/A |
|------------------|--------------|-------|-----------|--------|-----|

Material Properties

| | | | |
|-------------------|-----------|----------------------|--------------|
| Molecular Formula | C4H2Cl2N2 | Flash Point (°F, CC) | >185 |
| Molecular Weight | 148.98 | Boiling Point | at 50mm 223° |
| Shelf Life (days) | 730 | Physical State | Solid |

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|-----------------------|--|
| 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 | Pale yellow |
| Odor | Organoleptic Analysis | None | UPDATE SPEC | |
| 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

This product is not intended for flavor or fragrance applications

This specification was generated electronically, and is therefore unsigned.

Synerzine
Quality Control Dept.

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