

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                          |  |
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| <b>Catalogue Number</b>  | 44975  |
| <b>Product</b>           | <b>5-Chlorothiophene-2-carbonyl chloride</b><br>5-Chloro-2-thienoyl chloride |
| <b>CAS Number</b>        | 42518-98-9   |
| <b>Molecular Formula</b> | C <sub>5</sub> H <sub>2</sub> Cl <sub>2</sub> OS                             |
| <b>Molecular Weight</b>  | 181.03   |

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|---------------------------|---|
| <b>Warnings</b>           | <i>Moisture Sensitive! Store under inert gas!</i> |
| <b>Appearance</b>         | Light orange to yellow to green clear liquid      |
| <b>Melting Point</b>      | 4 °C  |
| <b>Boiling point</b>      | 225 °C  |
| <b>Flash Point</b>        | 89 °C   |
| <b>Density</b>            | 1.5   |
| <b>Refractive Index</b>   | $n_D^{20}$ 1.61                                   |
| <b><sup>1</sup>H NMR</b>  | Conforms to structure                             |
| <b>Assay by titration</b> | ≥ 98%   |
| <b>Purity by GC</b>       | ≥ 98%   |
| <b>Storage</b>            | Store at RT                                       |

**For Laboratory Use Only**