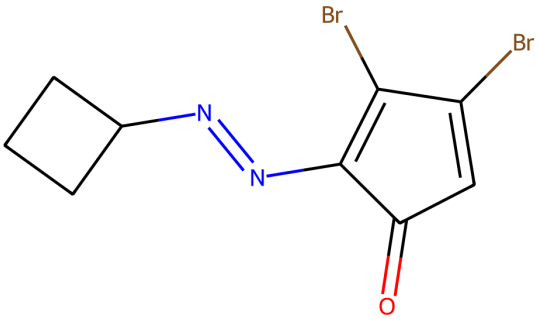
Thermal Hazard Assessment Memo



Molecule Properties

SMILES: O=C1C=C(Br)C(Br)=C1/N=N/C1CCC1
Formula: 9C, 8H, 2Br, 2N, O
MW: 319.98 g mol^{-1}

Results

High Energy Groups: (1) CN=NC

Explosive Groups: (1) CN=NC

Rule of Six = -3 Oxygen Balance = -105.01

Q_{DSC} = 417.0 J g^{-1} T_{onset} = 186.0 °C T_{init} = 200.0 °C

Impact Sensitivity = -0.17 Explosive Propagation = -0.30 T_{D24} = 94.0 °C

O.R.E.O.S. assessment of risk by scale:

<5 g	5 to 100 g	100 to 500 g	>500 g
Medium Hazard	Medium Hazard	Medium Hazard	High Hazard

Interpretation

These results have been calculated using X[1] and they show Y[2].

[1]: *Org. Proc. Res. Dev.,* 2011, 2341-2356

[2]: *Org. Proc. Res. Dev.,* 2011, 2117-2119

Additional Data

This memo may contain confidential information.

Git2.jpg

Git4.jpg

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A Simple document