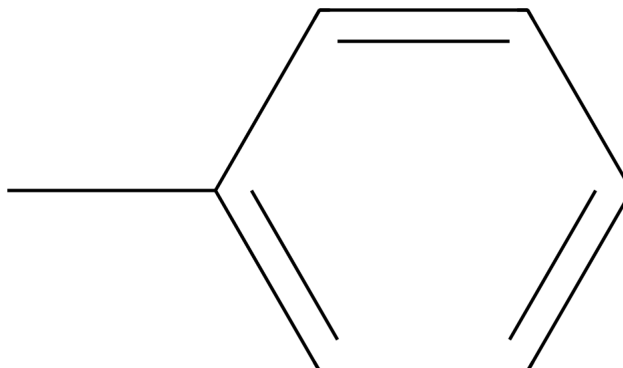


Thermal Hazard Assessment Memo

Tol



Properties:

SMILES: c1ccc(C)cc1

Name: Tol

Formula: 7C, 8H

mp: to °C

Results:

High Energy Groups = 0

Explosive Groups = 0

Rule of Six = -7

Oxygen Balance = -312.56

Q_{DSC}

T_{onset}

T_{init}

Impact Sensitivity

Explosive Propagation

T_{D24}

<5 g	5 to 100 g	100 to 500 g	>500 g
Low Hazard	Low Hazard	Low Hazard	Low Hazard

Interpretation:

The Rule of Six¹ value implies **(Not Explosive)**. The Oxygen Balance¹ suggests **(Low Risk)**. The Pfizer method² was used to calculate Impact Sensitivity and Explosive Propagation values, these suggest None and None.

The T_{D24} result gives the maximum safe operation temperature.

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

[2] Org. Proc. Res. Dev., 2021, 2117-2119