

# Technical information

## 4-HYDROXY-TEMPO

Synonyms:	4-hydroxy-2,2,6,6-tetramethyl-1-piperidinyloxy, free radical		
CAS number:	2226-96-2	EINECS number:	218-760-9
Formula:	C <sub>9</sub> H <sub>18</sub> NO <sub>2</sub>	Molecular weight:	172.3
HTS number.:	29333999	TSCA	

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### SPECIFICATION

Appearance	orange crystalline flake
Melting point ( °C)	69.0-71.0
Purity (wt%)	≥ 99.0
Loss on drying (wt%)	≤ 0.5
Ash (wt%)	≤ 0.5

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### PROPERTIES

Appearance	yellow to red crystals
Melting point	69-71 °C
Solubility	soluble in water and organic solvents

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### PACKING

Steel drums holding 25 kg or 200 kg

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### HEALTH & SAFETY, SHIPPING

Classification RID/ADR	X <sub>i</sub> -Irritant
Codes / markings	R20/21/22-36/37/38 S26-36/37/39



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### APPLICATIONS

- 'mediator' in oxidations with hypochlorite or hypobromite, e.g. gently from alcohols to carboxylic acids or ketones