

Technical information

4-OXO-TEMPO

Synonyms:	4-oxo-2,2,6,6-tetramethyl-1-piperidinyloxy, free radical		
CAS number:	2896-70-0	EINECS number:	220-778-7
Formula:	C ₉ H ₁₆ NO ₂	Molecular weight:	170.2
HTS number.:	29333999	TSCA	

SPECIFICATION

Appearance	orange crystals
Melting point (°C)	38.0 – 42.0
Purity (wt%)	≥ 95.0
Loss on drying (wt%)	≤ 0.5

PROPERTIES

Appearance	orange crystals
Melting point	38-42 °C
Solubility	soluble in water and organic solvents

PACKING

Steel drums holding 25 kg

HEALTH & SAFETY, SHIPPING

Classification RID/ADR	X _i -Irritant
Codes / markings	R 36/37/38
	S 26-36



APPLICATIONS

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