

Technical Data Sheet**MERCK**

Product Group:

822287 Hydrogen peroxide 30% (stabilized) for synthesis

Application:

Important oxidation reagent; for example in phase transfer catalysis/1/, the Baeyer-Villinger reaction/2/ and for the selective oxidation of secondary alcohols/3/.

Literature:

1. Schrader, S., et al.: Org.Prep.Proced.Int. 32, 123 (2000)
2. Strukul, G., Angew.Chem.,Int.Ed. 37, 1198 (1998)
3. Review: Arterburn, J.B.; Tetrahedron 9765, 57 (2001)

General Product Information:

Density	1.11 g/cm ³	20 °C
HS code	2847 00 00	
Storage	Store below +25°C.	
SDS	available	
R phrase	R 34	
S phrase	S 3-26-36/37/39-45	

Chemical /Physical Data:

Odour	slightly pungent	
Form	liquid	
Color	colourless	
Solubility in water	miscible in all proportions	
Boiling point	107 °C	
Melting point	-26 °C	
Vapor pressure	~ 18 hPa	20 °C
Thermal decomposition	> 100 °C	

Toxiological Data:

LD 50 dermal	LD dermal rat 4060 mg/kg (90 % solution)
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Package Information:

Order Number:	Package:	Packages per pallet:	Packages:
8222871000	1 l		Plastic bottle
8222872500	2.5 l		Plastic bottle

Specification:

Assay (manganometric)	29.0 - 31.0 %
Density (d 20/4)	1.11 - 1.12 g/cm ³

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Consulting services

We offer our customers consulting services in questions of application technology to the best of our knowledge within the framework of the prevailing circumstances. Information and recommendations given by us are without obligation.

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