



Specification

**Menadione**

**A2091**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A2091
<b>Product Name:</b>	Menadione
<b>Specifications:</b>	Assay (HPLC): min. 97 % Melting point: 104 - 106°C
<b>Hazard pictograms</b>	 
<b>UN:</b>	3077
<b>Class/PG:</b>	9/III
<b>ADR:</b>	9/III
<b>IMDG:</b>	9/III
<b>IATA:</b>	9/III
<b>WGK:</b>	3
<b>Storage:</b>	RT protected from light
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07 GHS09
<b>H Phrases:</b>	H302 H315 H319 H335

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Specification

**Menadione**

**A2091**

	H410
<b>P Phrases:</b>	P261 P280 P301+P312 P305+P351+P338 P405 P501
<b>Molecular Formula:</b>	$C_{11}H_8O_2$
<b>M:</b>	172.19 g/mol
<b>CAS:</b>	58-27-5
<b>EINECS:</b>	200-372-6
<b>CS:</b>	29146980
<b>Comment</b>	<p>Menadione serves as an intermediate hydrogen carrier for the promotion of the staining reaction of the reduction of nitroblue tetrazoliumchloride (NBT) in the histochemical staining (1). It is one of fat-soluble vitamins (vit. A, D, E, K). One gram dissolves in about 60 ml alcohol, 10 ml benzene or 50 ml vegetable oil. It is insoluble in water. Solutions may be heated to 120°C without decomposition (according to Merck Index 13th ed.)</p>
<b>Bibliography</b>	<p>(1) Auscher, C. &amp; Amory, N. (1976) <i>Biomedicine</i> <b>25</b>, 37-38 The histochemical localization of xanthin oxidase in rat liver.</p>

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