



## Specification

Concerning Product:	
Article number	100798GT
Trade name / designation / denomination	Solketal, technisch Isopropylidenglycerin
CAS number	100-79-8
Other names / synonyms	•(2,2-Dimethyl-1,3-Dioxolan-4-Yl)Methanol; •(2,2-dimethyl-1,3-dioxolan-4-yl)methanol; •(R,S)-2,2-Dimethyl-1,3-dioxolane-4-methanol; •1,2-O-Isopropylidenglycerol; •2,2-Dimethyl-1,3-dioxolane-4-methanol; •2,2-dimethyl-1,3-dioxolan-4-ylmethanol; •DL-1,2-Isopropylidenglycerol; •Glycerol acetone; •SOLKETAL; •Solketal;
EC number	202-888-7
Customs tariff number / CN code / TARIC	29329900
Molecular weight [g / mol]	132,16
Formula	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>
<b>Warning</b>	
Causes skin irritation. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Specific treatment (see details on this label). Take off contaminated clothing and wash before reuse.	

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution		clear, colourless, fluid	
Colour	ASTM D1209	≤ 15	APHA
<b>Physical parameter</b>			
Refraction index	@ 20°C	1,430 – 1,436	
Density	@ 20°C	1,065 – 1,078	g/cm <sup>3</sup>
Conductivity	20 - 100 °C	~ 1,02	S/cm
Loss on drying		≤ 0,5	%
Peroxides (O <sub>2</sub> <sup>2-</sup> )		≤ 25	POZ

pH value	10 % w/v in water	4,0 – 7,5	
Boiling range		188 – 191	°C
Solubility		miscible with water and ethanol 96 %	
Viscosity	@ 25 °C	~ 11	mPa s
<b>Identity</b>			
Assay	GC-area in % of Isomer I ~ 98,5% Isomer II ~ 1,5%	≥ 99	%
Identification	by IR	pass	

**Regulatory information:**

**GMO statement:** Product does not contain ingredients or is produced by raw materials containing GMOs.

**Supplemental information:**

**Derivation:** exclusively from biogenic glycerin (purely vegetable)

**Storage conditions:** The Solketal is not subject to any special storage conditions. When storing, however, it should be noted that the product should be stored in closed original containers and in compliance with the physical specifications. We only guarantee the measured values of the CoA for the goods delivered by us in sealed containers.

**Regional origin:** D

**Usage:**

- universal solvent for various applications
- in paints and coatings, printing inks, adhesives, pesticides, detergents and cleaners, metal cleaners, emulsifiers, dispersants or extractants
- independent paint-forming properties such as drying delay and film formation
- in cosmetics as an additive in perfumes and essences

Chemische Werke Hommel GmbH & Co.KG

*This document was generated electronically and is valid without signature.*

Waltrop, 29. May. 2019

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.