

Technical Data Sheet

MERCK

Product Group:

108342 D(+)-Glucose monohydrate for microbiology

Application:

Literature:

General Product Information:

Formula Hill	$C_6H_{12}O_6 \cdot H_2O$
Molar mass	198.17 g/mol
Bulk density	~ 630 kg/m ³
CAS number	14431-43-7
HS code	1702 30 51
EC number	200-075-1
Storage	Store at +15°C to +25°C.
SDS	available

Chemical /Physical Data:

Odour	odourless	
Form	solid	
Color	colourless	
Ignition temperature	~ 500 °C	
pH value	6 - 7	100 g/l, water, 20 °C
Solubility in water	1000 g/l	20 °C
Solubility in ethanol	sparingly soluble	20 °C
Melting point	~ 83 °C	

Toxiological Data:

LD 50 oral	LD oral rat 25800 mg/kg (anhydrous substance)
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Package Information:

Order Number:	Package:	Packages per pallet:	Packages:
1083421000	1 kg		Plastic bottle
1083422500	2.5 kg		Plastic bottle
1083429025	25 kg		Carton

Advice:

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.

The existing laws and directives are to be complied with in all cases. This also applies to any protection rights of third parties.

Our suggestions do not exempt our customers from the necessity of taking responsibility for checking our products for their suitability for the purposes intended.

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If you have any further questions please contact the competent staff in the Merck agency responsible for you.