

HYDRO OIL

Sales specifications
4th Edition

Data sheet

Customs - classification: No.2710-1999 for fuel-cells

Customs - classification: No.9405-5000 for complete lamps / non electric lamp-parts)

Description:

Hydrocarbon solvent with characteristically *no odour*, packed in HD-PE bottles of approx. 100ml/150ml/220 ml.

CAS Registry Number 64741-65-7

Einecs number 265-067-2

Sales specification:

<u>Property</u>	<u>Unit</u>	<u>Test method</u>	<u>Value</u>	<u>Typical</u>
Density at 15°	kg/l	ASTM D 4052	0.755-0.770	0.761
Colour min		ASTM D 156	+25	+30
Initial boiling point	°C	ASTM D 1078	187	191
Dry point, max	°C	ASTM D 1078	218	214
Flash point (Abel Pensky), min	°C	DIN EN 57	55-100	58
Aromatics, max	% v/v	SMS 1897	0.5	0.1
Copper corrosin, 3h/100°C		ASTM D 130	0.5	0.1

Typical composition

<u>Property</u>	<u>Unit</u>	<u>Test method</u>	<u>Value</u>
Aromatics	% m/m	SMS 2664	0.1
Benzene	mg/kg	G.C.	<5
Naphthenic	% m/m		0
Sulphur content	mg/kg	SMS 1897	<1
Water content	mg/kg	ASTM D 1744	<50
Bromine index	mgBr/100g	ASTM D 2710	500
Nonvolatile matter	mg/100ml	ASTM D 1353	1

Safety data:

<u>property</u>	<u>unit</u>	<u>test method</u>	<u>value</u>
Flash point	°C	Din en 57	60
Lower explosive limit in air	%vv		0.6
Upper explosive limit in air	%vv		8.0
auto ignition temperature	°C	ASTM E 659	405
Saturated vapour concentration at 20°C		g/m ³ calculated	8
Transport	ADR/RID IMO UN	class/item/label number/label class/packing group	3/32c/- 1300/3 3.3/3
EC user label: Symbol			none
	Risk phrases		none
	Safety phrases		none

HYDRO OIL can be supplied to meet the requirements of the US Food and Drug Administration (FDA) specifications published in the Code of Federal Regulations Chapter 21, Sub-chapter B, Parts 172.882 and 178.3530,172884,178.3620 (b) (1) (ii) y, 178.3650, and the medical use requirements of the German DAB.8, page 363.

HYDRO OIL is manufactured to the highest standards. It *does not* contain detectable quantities of poly cyclic aromatics, heavy metals or chlorinated compounds.

HAZARD INFORMATION:

HYDRO OIL is not considered hazardous.

Users of HYDRO OIL should make their own assessments of compliance with the relevant regulation.