

# RADOX<sup>®</sup> High Power Charging System Coolant C3P-002

### Description

Coolant design for the use in HUBER+SUHNER High Power Charging Systems Non-conducting fully synthetic coolant Readily biodegradable High dielectrical strength Nonhazardous Excellent resistance to high and low temperatures Higher flashpoint and firepoint than conventional mineral-based non-conducting coolant: reduces fire risk



### **Technical data**

#### **Specification (Average Values)**

Description		Value
Density	(@15°C)	0.920 g/cm <sup>3</sup>
Viscosity	(@40°C)	13.5 mm <sup>2</sup> /s
Viscosity	(@100°C)	3.5 mm <sup>2</sup> /s
Thermal conductivity	(@25°C)	0.13 W/(m*K)
Specific heat capacity	(@25°C)	2 kJ/(kg K)
Pour point		- 60°C
Boiling point		> 150°C
Flash point C.O.C.		249°C
Ignition point		390°C
Dielectrical strength	(IEC 2.5mm)	60 KV
Shelf life	minimum 10 years	Dry storage room with temperature min. +10°C up to max. +40°C,Closed original canister
Lifetime in application	5 years	If coolant is not contaminated by foreign materials

### **Environmental data**

Characteristics		Conditions	Tested acc. to	Values
Biodegradability			OECD 301 B	> 80 %
Water hazard class (WGK)			AwSV	1
Waste code product			91/689/EWG	13 02 07
During operation or storage, the color of the coolant may change to orange or reddish. This is initiated and accelerated by sunlight and temperature. The change in color does not affect the performance of the coolant.				
Conformity Declaration RoHS	The product meets the requirement of directive 2011/65/EU (RoHS), amended by directive 2015/863/EU and directive 2017/2102/EU			
Conformity Declaration REACH / SVHC / CLP	The product meets the requirements of legislation ECCN/ECN Export Control Restrictions cod. COD. YCU.00221			

### **Ordering information**

Description	Comment	Part no.	Remark
Cool Cable Coolant C3P-002 4I	4I is suitable for liquid / liquid heat exchange system WKW	85103478	
Cool Cable Coolant C3P-002 6l	6l is suitable for air cooled heat exchange system LWK	85101250	

### **Normative references**

For safety information please see material safety data sheet DOC-0000789744, available from HUBER+SUHNER AG. A CAS-No. is not available. Coolant is a mixture of different components, fully synthetic and without dangerous substances.

### **Data Sheet**

**HUBER+SUHNER** 

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## Diagram kinematic viscosity

y: Kinematic viscosity [mm<sup>2</sup>/s]

x: Temperature [°C]



HUBER+SUHNER is certified according to EN(AS) 9100, ISO 9001, ISO 14001, ISO/TS 16949 and IRIS. Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind. Document: DOC-0000784407 / Rev. N / Date of publication: 22.03.2021 / uncontrolled copy

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### Change notes

Торіс	Description
Normative references	Updates: RoHS, REACH/SVHC/CLP

### **General changes**

Ordering information	Delete 3I (85092022) and 5I (85092023): replaced by 4I (85103478) and 6I (85101250)
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## **Mouser Electronics**

Authorized Distributor

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HUBER+SUHNER: C3P-002 4I