

July 2023

**Statement on EU REACH Directive**

The Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation requires the identification of Substances of Very High Concern (SVHC) contained in articles above the threshold 0.1% w/w manufactured and marketed in the EU (Legal Reference EC 1907/2006).

In accordance with Article 33(1) of the REACH regulation, this communication applies to the below-referenced products included with this statement. Endress+Hauser products are manufactured in a way that the release of chemicals under normal and foreseeable circumstances does not take place.

Information is provided for all downstream users as soon as we become knowledgeable that our products consist of more than the above threshold.

See the table for the respective valid list: <https://echa.europa.eu/en/candidate-list-table>

Furthermore, the EU REACH Regulation limits the manufacture, use, or sale within the European Union of substances on the Annex XVII (Authorisation) list after each substance's established "sunset date" without an authorisation for the use by manufacturer. REACH Annex XVII (Authorisation list) declarations include all substance names that were included up to that date of inclusion listed above.

See the table for the respective valid list: <https://echa.europa.eu/en/substances-restricted-under-reach>

Endress+Hauser believes that the information it provides above is accurate. The information provided is based on data obtained from ongoing due diligence concerning goods and materials provided by third party suppliers. Endress+Hauser provides such information "AS IS", without any express or implied warranty of any kind. Endress+Hauser reserves the right to update and modify this communication, as it believes necessary or appropriate.



Michael Kanzinger  
Trade Compliance Manager



Dr. Heiner Zehntner  
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**Attachments:**

- Recapitulation of the regulations of REACH
- Customer Information on REACH



## Recapitulation of the regulations of REACH (EC Regulation 1907/2006)

1. REACH is a new European Union regulation concerning the Registration, Evaluation, Authorisation and restriction of Chemicals. It came into force on 1st June 2007. A major part of REACH is the requirement for manufacturers or importers of substances to register them with a central European Chemicals Agency (EChA). REACH applies to substances manufactured or imported into the EU in quantities of 1 ton per year or more.
2. REACH requires manufacturers and importers of a substance on its own or in a preparation to communicate how their substances or preparations can be used safely for humans and environment. The main instrument for this communication down the supply chain is the Safety Data Sheet (SDS). The manufacturer, importer or downstream user will prepare the SDS according to a similar principle as he did before REACH came into force. The main difference is that when required, the SDS will also have an annex including exposure scenarios specifying the conditions under which the substance or preparation can be used safely, for uses that have been identified. The quality of the SDSs is expected to improve due to REACH as more information will be available because of the registration process.
3. Suppliers of articles shall inform their customers about substances of very high concern contained in concentrations above 0.1%. Also, consumers can request such information.
4. REACH requires all substances that are intended to be released from articles during normal and reasonably foreseeable conditions of use to be registered according to the normal rules, if they are produced or imported in quantities exceeding 1 ton/year per producer or importer. In addition, all substances included in the candidate list and which are present in articles above a concentration limit of 0.1% weight by weight and above 1 tons per year must be notified to the agency (EChA).
5. Downstream users have a right to make their use known to the supplier and in doing so have to provide sufficient information to prepare an exposure scenario. This upstream communication will play an important role when a registrant prepares a chemical safety report, including exposure scenarios if required, as a part of the registration dossier.

**Customer Information as per Art. 33 (1) of the REACH Directive EC No. 1907/2006  
(To the current Candidate List of substances of very high concern for Authorization)**

The products listed below contain sub-products with an SVHC content of over 0.1 % w/w.

SVHC > 0.1 % w/w		CAS-No.
<u>Lead / Lead monoxide / Lead titanium zirconium oxide / Lead titanium trioxide</u>		7439-92-1 1317-36-8 12626-81-2 12060-00-3
Products Description	Order Information	Component w. SVHC
	CYR52 CYM17 xPS64 / xPS65 xPK1 / 2 / 3 / 4 / 5 / 6 Kit COG30 Kit CSZ18 Kit V2A / V4A XPD0001-XPD00094	<ul style="list-style-type: none"> <li>■ Lead as constituents in, amongst other materials, aluminium or copper alloys (brass).</li> <li>■ Lead in high melting temperature type solders.</li> </ul>
ASP Station	RPx20B	<ul style="list-style-type: none"> <li>■ Lead in electronic devices and batteries.</li> </ul>
Bunker Metering Computer	SBC600	<ul style="list-style-type: none"> <li>■ Lead as radiation protection material for our Radiometric products.</li> </ul>
Cerabar	PMC11 / 21 / 51 / 51B / 71 / 71B PMP11 / 21 / 23 / 51 / 51B / 55 / 71 / 71B	
Ceraliquid	xPS41 / xPS42 / xPS43 OPF41 / OPF42 / OPF43	
Ceraphant	PTC31B PTP31B / PTP33B	
Chemoclean	CYR10B	
Cleanfit	CPA474 / CPA473	
Cleanfit Control	CYC25	
CNGmass	8DF** 8FF** aD8CB**	
Conducal	CLY421	
Condumax	xLS12 / 13 / 15D / 19 / 21 / 21D	
Commubox	FXA195 / FXA291	
Cubemass	8CM** 8CN** a8Cq**	
Deltabar	FMD71 / 72 / 77 / 78 PMD55 / 55B / 75 / 75B / 78B	

Deltapilot	FMB50 / 51 / 52 / 53 / 70
Dipfit	CLA140
Dosimag	5*H**
Dosimass	8*E**
Easytemp	TMR31 / TMR35
EngyCal	RH33 / RS33 / RA33
Energy Manager	RMC621 / RMS621
Fermentation Monitor	QWX43
FieldEdge	SGC200 / SGC400 / SGC500
Fieldgate	FXA42 SFX250 / SFG500 SWG50 / SWG70
Fieldport	SWA50 / SWA70 SFP20 / SFP50
Fieldbus Indicator	RID14 / RID16
Field Xpert	SMT50 / SMT70 / SMT77
FlowFit	CYA27
Flowphant T	DTT31 / DTT35
Gambro	6 / 7
Gammapilot	FMG50 / FMG60 FQG60 / 61 / 62 / 63 / 66 FTG20
Indicators	RIA14 / RIA15 / RIA16
Indumax	xLS54
Interfaces	RB223 RN221N / RN22 / RN42 RLN42 / RNF22 / RNO22 TID10
ISEmax	CAS40D
iTEMP Field Transmitter	TMT142 / TMT142B / TMT162
iTEMP Temperature Transmitters	TMT180 / 181 / 182B / 187 / 188 TMT31 / 71 / 72 / 80 / 82 / 84 / 85 / 86 TMT111 / 112 / 121 / 122 / 127 / 128
iTHERM	TM101 / 111 / 121 / 131 / 151 / 311 TM401 / 402 / 411 / 412 TMR31 / TMR33 TS111 / TS211 / TS212 TA30x
ITHERM MultiSens	TMS01 / 02 / 11 / 12 / 21 / 31

Levelflex	FMP50 / 51 / 52 / 53 / 54 / 55 / 56 / 57
Liquicap	FMI21 / FMI51 / FMI52 FTI51 / FTI52
Liquifloat	FTS20
Liquiline	CM44x OCM44x
Liquiline control	CDC90
Liquiline to go	CYM291
Liquiline mobile	CML18
Liquiline System	CA80AM / COD / PH / TP / AL / HA / SI / TN / FE / CR / NO CAT810 CAZ800 / 820 / 860 / 880
Liquiphant	FTL31 / 33 / 41 / 50 / 50H / 51 / 51B / 51C / 51H / 62 / 64 / 70 / 71 / 80 / 81 / 85
Liquipoint	FTW23 / 31 / 32 / 33
Liquiport	CSP44
Liquisis	CxM223 / CxM253 OxM253
Liquistation	xF22 / 28 / 33 / 34 / 39 / 48
Liquitrend	QMW43
LNGmass	aD8LB
LPGmass	8FE** aD8EB**
Memobase Plus	CYZ71D
Memocheck	CYP02E
Memocheck Sim	CYP03D
Memosens	xLS21E xYK10 / xYK20 COS61
Micropilot	FMR10 / 20 / 50 / 51 / 52 / 53 / 532 / 54 / 540 / 56 / 57 / 60 / 62 / 67 FWR30 NMR81 / NMR84
Minicap	FTC260 / FTC262
Mycom	CCM141S
Modem	Viator Bluetooth MACTek Viator Power express
Norylab	xPS51 / xPS52 / xPS53 OPF51 / OPF52 / OPF53
Nivector	FTI26

Nivotester	FTC325 FTL325N / FTL325P / FTL825 FTR525 FTW325
Overfill Prevention System	SOP300 / SOP600
Oxymax	COS22D / 51E761 / 61D / 80E
Panel and Field Meter	RIA45 / RIA46 / RIA452
Picomag	aDMA**
Process Transmitter	RMA42
Promag	a5bq*** 5pb** 10b**
Promass	a8cq*** 8pc** 40E**
Proservo	NMS80 / NMS81 / NMS83
Prosonic	FDU90 / 91 / 91F / 92 / 93 / 95 FMU30 / 40 / 41 / 42 / 44 / 90 / 95
Prosonic Flow	91WA1 / 92F** / 93T / 93PA1 / 93PA4
Prowirl	7e2C**
Recorder – Data Manager	RSG35 / RSG45
RTD Thermometer	TR10 / 11 / 12 / 13 / 15 / 24 / 25 / 61 / 62 / 63 / 65 / 66 / 88 TST434 / TST602 / TST90 TET90
Samplefit	CSA420
Silopilot	FMM20 / FMM50
Smartec	CLD132 / CLD134 / CLD18
Smartsens	OPS31
Solicap	FTI55 / FTI56 / FTI77
Solimotion	FTR16 / FTR20
Soliphant	FTM20 / 21 / 50 / 51 / 52
Soliswitch	FTE20 / FTE30 / FTE31
Soliwave	FDR16 / FDR56 / FDR57 FQR16 / FQR56 / FQR57
Stabsonden	11362(Z) / 11363(Z) / 11375Z / 11961Z / 11371
Stamoclean	CAT221

Surge Arrester	HAW562 / HAW569
Tankvision	NXA20 / 820 / 821 / 822
Teqwave	aD9HB** / aD9FB** / aD9IB**
Thermocouple	TAF11 / 12D / 12S / 12T / 16 TC10 / 12 / 13 / 15 / 2 / 65 / 66 / 88 TSC310 TPC100 / TPC200 / TPC300
Thermophant	TTR31 / TTR35
TOC Analyzer	CA72TOC
Topclean	CPG30
TrustSens	TM371 / TM372
Turbimax	CUS50D / OCUS50D / CUS51D
t-mass	a6dA*** a6dq*** 65c**
Waterpilot	FMX11 / FMX21

*Note: Lower case letters are to be seen as variables and complete the product root:*  
a = O, empty  
b = D, E, H, L, P, S, W  
c = A, E, F, G, H, I, K, O, P, Q, S, X  
d = A, B, F, I, T  
e = D, F, O, R  
f = F, H  
g = B, E, G, I, W  
p = 0, 1, 3, 4, 5  
q = 1, 2, 3, 4, 5, 8, B  
r = 1, 2, 3, 4, 5, H  
x = C, O, OC

SVHC > 0.1 % w/w		CAS-No.	
<u>Potassium Dichromate</u>		7778-50-9	
Products Description	Order Information	Component w. SVHC	SVHC content
Reagent RB	CY80COD-CC+SD		8 %
Reagent COD2 (B)	CAY441-VxxAAE		2.1 %

SVHC > 0.1 % w/w		CAS-No.	
<u>Di Sodium Tetraborate</u>		1330-43-4	
Products Description	Order Information	Component w. SVHC	SVHC content
pH-buffer solution 9.00	CPY20-G		0.263 %
pH-buffer solution 9.22	CPY20-I		0.999 %

SVHC > 0.1 % w/w		CAS-No.	
<u>Boric Acid</u>		10043-35-3	
Products Description	Order Information	Component w. SVHC	SVHC content
pH-buffer solution 9.00	CPY20-G		0.107 %
pH-buffer solution 10.0	CPY20-K		0.332 %

SVHC > 0.1 % w/w		CAS-No.	
<u>Octamethylcyclotetrasiloxane</u>		556-67-2	
Products Description	Order Information	Component w. SVHC	
Liquiphant	FTL-	<ul style="list-style-type: none"> <li>▪ Sealing ring, 67,5x 2,9 / 1,5-VMQ/PTFE, only in combination with the F15 “hygienic” enclosure</li> <li>▪ Gasket, profile 29x36x3.7, *SI-60</li> <li>▪ Gasket, profile 53x62x3,5, VMQ-60</li> <li>▪ Gasket, profile 125,5x139,5x 4,5, VMQ-60</li> <li>▪ Gasket, profile 141x161x5,5, VMQ-60</li> <li>▪ O-ring 30,0x2,00, VMQ-50 + PTFE</li> <li>▪ Sealing cone d<sub>i</sub>=7.5, SI</li> </ul>	
Soliphant	FTM-		
Cerabar	PMP- / PMC-		
Deltabar	FMD- / PMD-		
Deltapilot	FMB-		
Micropilot	FMR-		
Prosonic	FDU-		
Soliwave	FDR-		
Minicap	FTC-		
Solicap	FTI-		
Promass I	8I*B**	▪ Silicone sealing ring	

SVHC > 0.1 % w/w		CAS-No.	
<u>Decamethylcyclopentasiloxan</u>		541-02-6	
Products Description	Order Information	Component w. SVHC	
Liquiphant	FTL-	<ul style="list-style-type: none"> <li>▪ Sealing ring, 67,5x 2,9 / 1,5-VMQ/PTFE, only in combination with the F15 “hygienic” enclosure</li> <li>▪ Gasket, profile 29x36x3.7, *SI-60</li> <li>▪ Gasket, profile 53x62x3,5, VMQ-60</li> <li>▪ Gasket, profile 125,5x139,5x 4,5, VMQ-60</li> <li>▪ Gasket, profile 141x161x5,5, VMQ-60</li> <li>▪ O-ring 30,0x2,00, VMQ-50 + PTFE</li> <li>▪ Sealing cone d<sub>i</sub>=7.5, SI</li> </ul>	
Soliphant	FTM-		
Cerabar	PMP- / PMC-		
Deltabar	FMD- / PMD-		
Deltapilot	FMB-		
Micropilot	FMR-		
Prosonic	FDU-		
Soliwave	FDR-		
Minicap	FTC-		
Solicap	FTI-		
Promass I	8I*B**	▪ Silicone sealing ring	



SVHC > 0.1 % w/w		CAS-No.
<u>Dodecamethylcyclhexasiloxan</u>		540-97-6
Products Description	Order Information	Component w. SVHC
Liquiphant	FTL-	<ul style="list-style-type: none"> <li>▪ Sealing ring, 67,5x 2,9/ 1,5-VMQ/PTFE, only in combination with the F15 “hygienic” enclosure</li> <li>▪ Gasket, profile 53x62x3,5, VMQ-60</li> <li>▪ Gasket, profile 125,5x139,5x 4,5, VMQ-60</li> <li>▪ Gasket, profile 141x161x5,5, VMQ-60</li> <li>▪ Sealing cone d_i=7.5, SI</li> <li>▪ Ring, L-Zentrier- 29,7x31,5x9,8, VMQ-60</li> <li>▪ O-Ring 21,89x2,62, VMQ 70 + FDA, only in combination with the G1 adapter</li> <li>▪ O-Ring 14,9x2,7, VMQ 75 + FDA, only in combination with the G3/4 adapter</li> </ul>
Soliphant	FTM-	
Cerabar	PMP- / PMC-	
Deltabar	FMD- / PMD-	
Deltapilot	FMB-	
Micropilot	FMR-	
Prosonic	FDU-	
Soliwave	FDR-	
Minicap	FTC-	
Solicap	FTI-	
Liquipoint	FMI-	
Liquicap	FTW-	
Promass I	8I*B**-	Silicone sealing ring
Promag W/P/L	5W / 5P / 5L****	Connector plug

SVHC > 0.1 % w/w		CAS-No.
<u>NOTE</u>		15571-58-1
Products Description	Order Information	Component w. SVHC
Flowfit	CYA251 / CUA250 / COA250 / CYA21	PVC elements
Flexdip	CYA112	
Dipfit	CPA510 / CPA530	
Oxymax	COS61D	

SVHC > 0.1 % w/w		CAS-No.
<u>Therphenyl - hydriert</u>		61788-32-7
Products Description	Order Information	Component w. SVHC
Temperature sensor	CTS1	encapsulating materials

SVHC > 0.1 % w/w		CAS-No.
<u>1,3-propanesultone</u>		1120-71-4
Products Description	Order Information	Component w. SVHC
Liquiline Mobile	CML18	Prismatic Cell

SVHC > 0.1 % w/w		CAS-No.
<u>1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)</u>		110-71-4
Products Description	Order Information	Component w. SVHC
Memograph M	RSG45	Accu

SVHC > 0.1 % w/w		CAS-No.
<u>Perfluorobutane sulfonic acid (PFBS) and its salts</u>		---
Products Description	Order Information	Component w. SVHC
Liquisis	CxM221 / CxM223	Housing
sampler	RPx20B	Electronic

SVHC > 0.1 % w/w		CAS-No.
<u>Dibutyl phthalate (DBP)</u>		84-74-2
Products Description	Order Information	Component w. SVHC
Turbimax	CUS51D	connector
Oxymax	COS61D	
Memosens	COS51E	
Memosens	CAS80E	

SVHC > 0.1 % w/w		CAS-No.
<u>Bis (2-ethylhexyl) phthalate (DEHP)</u>		117-81-7
Products Description	Order Information	Component w. SVHC
Turbimax	CUS51D	connector
Oxymax	COS61D	
Memosens	COS51E	
Memosens	CAS80E	

SVHC > 0.1 % w/w		CAS-No.
<u>Diboron trioxide</u>		1303-86-2
Products Description	Order Information	Component w. SVHC
Liquiline Control	CDC90	Electronic device
Liquiline	CAT820	

SVHC > 0.1 % w/w		CAS-No.
<u>Cadmium oxide</u>		1306-19-0
Products Description	Order Information	Component w. SVHC
Prosonic	FMU-	Piezo disc
Liquiphant	FTL-	
Soliphant	FTM-	

SVHC > 0.1 % w/w		CAS-No.
<u>Trilead bis(carbonate)dihydroxide</u>		1319-46-6
Products Description	Order Information	Component w. SVHC
Panel Meter	RIA452-	Electronic
Density calculator	FML621-	
Energy manager	RMC621-	

SVHC > 0.1 % w/w		CAS-No.
<u>Dicyclohexyl phthalate (DCHP)</u>		84-61-7
Products Description	Order Information	Component w. SVHC
Ceraphant	PTP- / PTC-	Protect vent
Soliphant	PMC- / PMP-	

SVHC > 0.1 % w/w		CAS-No.
<u>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol</u>		119-47-1
Products Description	Order Information	Component w. SVHC
Promass	a8cq*** 8pc** 40E**	Connector
CNGmass	8DF** 8FF** aD8CB**	
Cubemass	8CM** 8CN** a8Cq**	
t-mass	a6dA*** a6dq*** 65c**	
TrustSens	TM371 TM372	